ALLIED

ELECTRONICS FOR EVERYONE 1966

OUR 45th YEAR
CATALOG 250B
INDEX PAGE 501

knight
Superba SERIES
MODEL KG-964
STEREO
SOLID STATE RECEIVER
FM
AM
SELECTOR
AUX
AM
FM
PHONO
TAPE
M MX
VOLUME
BALANCE
MODE
STEREO
MON
ON
AFC
OFF
TREBLE
BASS
TUNE
PHONES
POWER
LO-CUT
HI-CUT
OFF
ON
CHANNEL
STEREO
LOUDNESS
OFF
ON
SCA FILTER
ON
OFF

Superba
SOLID-STATE STEREO
FM-AM RECEIVER KIT
Page 8

INCLUDING THE
COMPLETE **knight-kit**® CATALO
PAGES 4 TO

ALLIED RADIO

100 N. WESTERN AVE. • CHICAGO, ILL. 60680 • HA 1-6800 (Area Code 312)

Satisfaction Guaranteed or Your Money Back

knight-kit®

STEREO HIGH-FIDELITY

KG-765 DELUXE SOLID-STATE STEREO FM-AM TUNER KIT

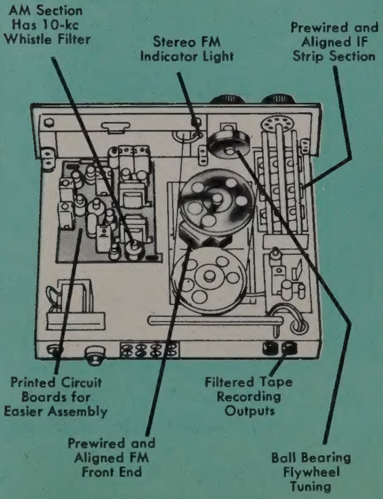
SELECTOR
FM STEREO
FM
AM
TUNE
STEREO
88 92 96 100 104 108
FM
55 60 70 90 120 140 160
AM
knight
OFF AFC
OFF POWER

Shown in Optional Walnut Case

Knight-Kit, America's pioneer in Solid-State hi-fi components, presents this deluxe tuner . . . for stereo realism rivaling an actual performance. Kit form or assembled.

Kit Form $\$94^{95}$ less case **$5 monthly**

YOU GET BUILT-IN "EXTRAS" FOR BETTER PERFORMANCE


AM Section Has 10-kc Whistle Filter
Stereo FM Indicator Light
Prewired and Aligned IF Strip Section
Printed Circuit Boards for Easier Assembly
Filtered Tape Recording Outputs
Prewired and Aligned FM Front End
Ball Bearing Flywheel Tuning

"Move Up" to Transistor Sound

- 14 Transistors and 18 Diodes in Latest Modular Circuitry
- Stereo Multiplex Light to Indicate FM Stereo Broadcasts
- FM-AM Signal-Strength Tuning Meter • Edge-lighted Dial
- AFC plus Automatic Gain Control for High-Stability FM

This years-ahead stereo tuner is one of the finest high-fidelity instruments ever offered by Knight-Kit. Performance-proven, it has won praise from critics and owners everywhere. Captures every subtle shading of FM stereo music, delivers conventional FM brilliantly, and is second to none in providing crisp, clear wideband AM. You enjoy all *solid-state* advantages: virtual elimination of heat, hum and microphonics . . . instant operation . . . low current drain . . . exceptional reliability . . . compact size. Low-impedance outputs permit long cable runs without high-frequency loss. Tuned RF stages on FM and AM. FM circuit has three wideband IF stages, noise limiter and wideband ratio detector. Full 10-kc IF bandwidth for high-quality AM. 10-kc whistle filter screens out "beat" notes received with weak stations. 2¾x13x11". With two audio cables, wire, solder, easy instructions. Less case, below. For 110-130 v., 60 cycle AC. 13 lbs.

83 U 765 MXW. Kit Form. *$5 Monthly*......................**94.95**
83 U 556 MUW. Factory-Assembled. *$7 Monthly*.............**139.95**
83 U 081 MXW. Oiled Walnut Wood Case. 4 lbs..............**12.95**
83 U 084 MXW. Brown Metal Case. 3 lbs.....................**5.95**

SPECIFICATIONS

FM SECTION. Usable IHFM Sensitivity: 2.5 μv for 30 db quieting; 1.25 μv for 20 db. **Response:** ±1 db, 20-20,000 cps. **Harmonic Distortion:** less than 1.0%. **Hum and Noise:** 55 db below 1 volt. **Bandwidth:** 250 kc. **Capture Ratio:** 9 db. **IF Rejection** 70 db. **Image Rejection** 30 db. **AM Suppression:** 30 db. **Channel Separation:** 30 db. **Antenna:** external 300-ohm folded dipole. **AM SECTION. Sensitivity:** 3 μv for 10 db signal-to-noise ratio. **Bandwidth:** 10 kc at 6-db-down points. **Hum and Noise:** 40 db below 1 volt. **Distortion:** less than 1.0%. **Image Rejection:** 40 db. **IF Rejection:** 55 db. **Antenna:** ferrite loopstick; provision for external antenna.

See pages 13, 15, 20, 22 and 23 for special money-saving offers that include Knight-Kit's KG-765 Solid-State Stereo Tuner Kit.

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ALLIED

guarantees your complete satisfaction OR YOUR MONEY BACK

Every item you buy from us must satisfy you in every way or we want you to return it at once for exchange, repair or refund

this is the Allied Pledge

- to save you time and money
- to give you greatest selection
- to ship speedily and safely
- to satisfy you completely

ALLIED'S CREDIT FUND PLAN
GIVES YOU GREATEST BUYING POWER
see next page for details

ALLIED RADIO CORPORATION
100 N. WESTERN AVE., CHICAGO, ILL. 60680
Phone: HAymarket 1-6800 (AREA CODE 312)

the world's largest electronics supply house

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For How to Order see pages 498-500

Enjoy Top Buying Power... Use Your ALLIED CREDIT FUND for Everything You Want or Need

You get these 7 big advantages:

1 **Continuous buying power**—your Allied Credit Fund is like a lump deposit of money invested by Allied in your good faith, set aside in your name and ready for use by you alone at any time.

2 **Extra buying power**—for only $5 monthly you can buy up to $100.00.

3 **Permanent and self-replenishing** — whenever you buy at Allied, you draw out of your Credit Fund, but every payment you make goes back into your Credit Fund ready for you to use over and over again.

4 Take more than two years to pay.

5 Make "add-on" purchases at any time without a down payment.

6 You always know where your account stands—you get a full statement each month.

7 Best credit terms in the industry.

plus benefits

A single low monthly payment brings you anything Allied sells. All you pay is a small monthly service charge, which is automatically reduced every time you make a payment. No service charge at all if paid in 30 days.

here are the exceptional features:

You always know what you have in your Credit Fund. You know exactly how much buying power you have, from the moment you open your account and place your first order. When you make purchases they are charged against your Credit Fund. Each payment you make decreases the balance due and at the same time increases your credit. The monthly statement we send you shows clearly how much unused credit you have.

No complicated records for you to keep—no bookkeeping problems. We send you a personal statement of your account every month. It shows your purchases, payments, unpaid balance, and most important—the amount of unused credit you have available. Remember—you pay only for what you use.

Only your signature on "add-on" orders. After your first order, your signature in the space provided on the back of the order blank is all you need to make your purchase. Minimum order is only $10.00.

You pay only for what you use. For instance, your Credit Fund may have been set at $400 on the basis of an $18 monthly payment, but if your order is for only $220, your monthly payment may be only $11.00 (see Table at right).

There's only a small service charge. A service charge of only 1½% is added to your monthly balance (monthly minimum 50¢). The exact amount is shown in your statement, and it's reduced each time you make a payment. No service charge at all if paid in 30 days.

MAKE "ADD-ON" PURCHASES AT ANY TIME

This is a big advantage. You don't have to complete payments on a previous purchase to make a new purchase. In many cases, there's no change in your monthly payment. To illustrate: Suppose you have a balance of $50 on a purchase of $160. You have been paying $8 per month. You can now order up to $110 more for the same $8 per month. If your "add-on" order is for more than $110, your monthly payment will be adjusted (see table at right).

Here's how your ALLIED CREDIT FUND works:

When you first open an ALLIED CREDIT ACCOUNT, we set up a Credit Fund in your name. It allows you a definite amount which we set aside in a lump sum credit deposit for your personal use. Buy anything you want.

You always know exactly how much credit is available to you. Under the CREDIT FUND Plan, you can enjoy top buying power for low monthly payments. Example: For a monthly payment of only $20.00 you can buy up to $480.00.

• To Open Your Account...

To enjoy the advantages of an Allied CREDIT FUND, fill in application on back of our order blank—send it in with your order and down payment.

• Low Monthly Payments...

You can use all or any portion of the amount in your Credit Fund. Your monthly payments depend on the amount you use (see Table at right). Each time you buy, you draw against your Credit Fund, but each payment you make goes toward building up more and more credit because you are continually replenishing the Fund. This means you can "add-on" new orders at any time—up to the full amount of your Credit Fund.

• No Down Payment on "Add-on" Orders

You can "add-on" orders any time for the unused amount in your Account with no money down. Just sign your order in the space provided (minimum order $10.00). Determine your monthly payment in the following way:

1. Combine amount of your "add-on" order with your present unpaid balance.
2. See Table at right to find monthly payment for new unpaid balance.
3. If the monthly payment is the same or less than the amount you are currently paying, no change in your monthly payment is required.
4. If monthly payment for your "add-on" order, plus your present unpaid balance is more than you currently pay, we will show the new monthly payment on your next statement.

• Simple, Easiest Plan

Because you get a detailed personal statement each month, you don't have to bother with bookkeeping. Your Credit Fund Plan is the last word in low-cost buying power convenience.

ENJOY CONTINUOUS BUYING POWER!

Make regular use of your Allied Credit Fund

The Allied Credit Fund Plan makes possible your immediate enjoyment and use of everything you want in electronics! It places at your command a definite, always-known credit fund that gives you top buying power for the lowest monthly payment. Just open an Allied Credit Fund Account. Use it any time. Buy anything you want. Use it for "add-on" purchases any time—without a penny down. Minimum order only $10.00. Enjoy maximum buying power with your Allied Credit Fund!

Have Everything You Want or Need in Electronics—Open an Allied Credit Fund Today or Send an "Add-on" Order

ONLY $5.00 DOWN ON ORDERS UP TO $100.00 AND ONLY $10.00 DOWN ON ORDERS OVER $100.00

CREDIT FUND PAYMENT TABLE

Monthly Payment	Unpaid Balance (Total amount less any payment)
Only	Buys Up To
$5	**$100**
$6	**$120**
$7	**$140**
$8	**$160**
$9	**$180**
$10	**$200**
$11	**$220**
$12	**$240**
$13	**$260**
$14	**$280**
$15	**$310**
$16	**$340**
$17	**$370**
$18	**$400**
$19	**$440**
$20	**$480**
$21	**$500**
$22	**$525**
$23	**$550**
$24	**$575**
$25	**$600**
$26	**$625**

Over $625—Monthly payments will be in proportion to amounts on chart.

Small Service Charge. Only a small service charge of 1½%, minimum 50c, is added to your monthly balance. There are no other charges. Your monthly statement shows exactly what you pay, what you owe and how much unused credit you have.

Just Say "Charge It," and We Will Open an Allied Credit Fund Account for You

APPLICATION BLANK IS ON THE REVERSE SIDE OF ORDER BLANK

(No application accepted from persons under 21 years of age.)

knight-kit ...for the most satisfying

Join millions of satisfied knight-kit builders... know the wonderful feeling of pride and accomplishment you enjoy when you assemble a knight-kit

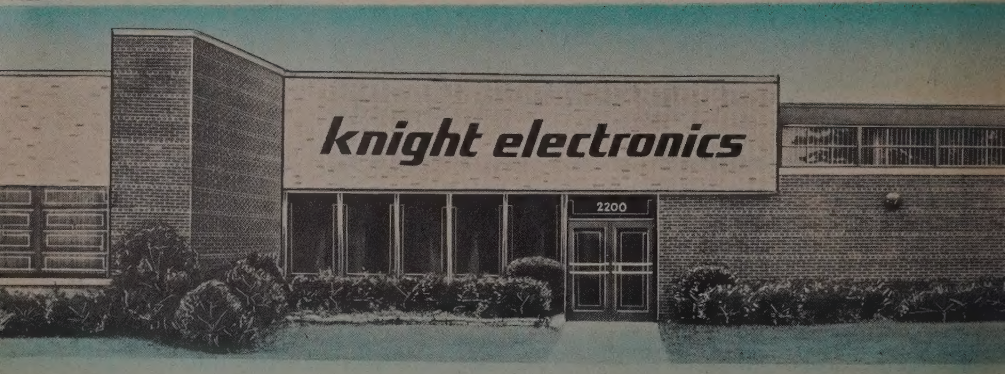
knight-kit

GUARANTEE

Buy any Knight-Kit. Build it. Operate it. You must be satisfied or we refund your money.

ALLIED RADIO

You can buy and build any Knight-Kit with complete confidence. This exclusive ALLIED Guarantee means what it says.



Knight-Kits are a product of Knight Electronics, manufacturing subsidiary of Allied Radio. In our spacious, ultramodern plant, Knight-Kits are quality designed so you can assemble them easily and quickly . . and get professional performance and maximum value.

experience in build-your-own electronics

Build *knight-kits*

the world's finest electronics equipment in kit form

YOU GET *MORE* FOR YOUR MONEY WHEN YOU BUILD A *knight-kit*

MORE in design through experience in research and development . . .

MORE in performance through rigid quality control and testing . . .

MORE in dependability through use of finest components . . .

MORE in appearance through well-designed professional styling

ONE-YEAR PARTS WARRANTY

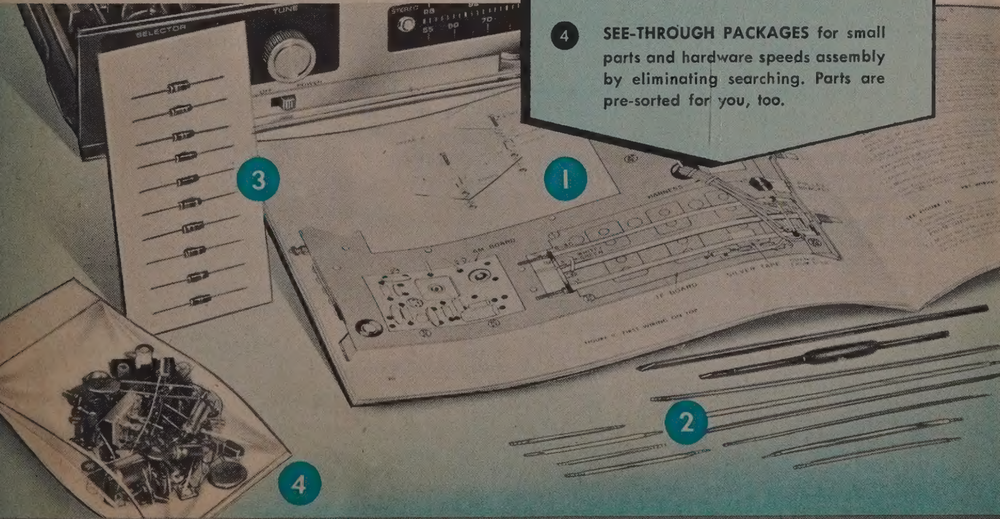
Only the finest quality parts are used in Knight-Kits. Every part is fully warranted against defects in material or workmanship for a period of one year.

Most Knight-Kits are available for 50 cycle, 230 v. operation. Write for information.

knight-kits are easiest to build

HERE'S WHY

1. **EASY-TO-FOLLOW** step-by-step instructions and giant picture diagrams guide your every move.
2. **PRE-CUT WIRE** is cut to the length required and stripped—ready for instant use. As an added convenience, all sizes are color-coded.
3. **CARDED COMPONENTS**—resistors, diodes and small capacitors are given an identifying number and mounted on cards. You just remove the part listed by number in the manual.
4. **SEE-THROUGH PACKAGES** for small parts and hardware speeds assembly by eliminating searching. Parts are pre-sorted for you, too.



AND GET MORE FOR YOUR MONEY ALLIED

BLUE
RIBBON
OF
QUALITY

BUILD *knight-kits* - ENJOY THE BEST!

Join the Millions of Satisfied Allied Customers — Enjoy the Wonderful Sense of Pride and Accomplishment in Owning and Building Your Own *knight-kit*

Here's What People Are Saying About knight-kits

"Nothing has ever given me such a feeling of accomplishment as when I finished building my Star Roamer and turned it on. It worked perfectly and still is doing so."
J. C.
FALMOUTH, KENTUCKY

". . . the instructions were every bit as easy as you said them to be."
T. J.
SILVER SPRINGS, MARYLAND

". . . this is the finest kit I have ever built . . . and I have built many others of many different makes . . . nothing could match the pure excitement from listening to the first recording played through the KG-870. Only one word to describe this transistor masterpiece . . . *incomparable*."
R. C.
HONOLULU, HAWAII

"On numerous occasions my C-560 has outperformed (using a ground plane antenna) transceivers selling for three times as much . . ."
E. McD.
RICHMOND, INDIANA

"I think Knight-Kits are the best on the market."
C. E. B., Jr.
ANCHORAGE, ALASKA

"I do not see how anybody could sell such a beautiful amplifier, even as a kit, for so low a price."
W. W.
OCEANSIDE, NEW YORK

". . . such a beautiful piece of engineering and the instructions were so clearly illustrated. Yes, I am highly pleased with it and in fact I wouldn't sell it for twice the price paid."
P. G. G.
BUTTE, MONTANA

". . . every new kit you bring out shows that you are really interested in keeping your equipment tops."
J. N.
TORONTO, ONTARIO, CANADA

"The KG-870 was easy to assemble and surpasses my expectations of an amplifier in its price range."
W. B.
EUREKA, ILLINOIS

"I recommend Knight-Kits to all my friends because I have found that they are a combination of easy, to-the-point instructions and ease of assembly."
R. O. W.
NORFOLK, VIRGINIA

"Your kit and instructions were very good. I am really enjoying it along with the family."
A. T.
TORRANCE, CALIFORNIA

"I sure am enjoying my Knight-Kit—If you follow the instructions you cannot go wrong—From now on I will buy only Knight-Kits."
R. P.
NEW IBERIA, LOUISIANA

"Your KG-870 Amplifier Kit is the most marvelous piece of equipment we have listened to—no problems at all . . ."
R. R.
VALENTINE, NEBRASKA

"Congratulations on producing as fine a radio as the Star Roamer. Listening to it is a pleasure, but this is only half the enjoyment, the other half was building it myself and knowing that I put it together with my own skills."
R. B.
LAKE HIAWATHA, NEW JERSEY

"Very pleased with techniques used to hold and identify components . . ."
R. D.
TORRANCE, CALIFORNIA

"The KG-765 is so well engineered and compact that it is a joy to build it."
J. G.
SAUK CENTRE, MINNESOTA

"I put my kit together in just 1 hour, thanks to your step by step instructions. It worked brilliantly without any trouble . . ."
G. C.
MOUNT AIRY, N. CAROLINA

"I recommend to all my friends that they buy Knight-Kits, for I feel that they are not only a great deal of fun, but educational as well."
F. McM.
CEDAR RAPIDS, IOWA

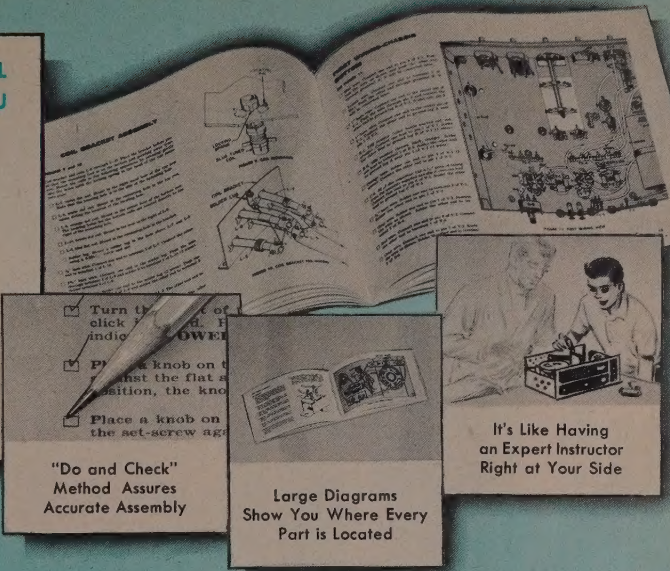
SEE VISUAL PROOF OF *knight-kit* SUPERIORITY!

ORDER THE MANUAL FOR THE KIT YOU WANT TO BUILD

See for Yourself How Easy It Is to Assemble Knight-Kits

SEE COMPLETE LISTING OF MANUALS BELOW

See page indicated for full description of each Knight-Kit



"Do and Check" Method Assures Accurate Assembly

Large Diagrams Show You Where Every Part is Located

It's Like Having an Expert Instructor Right at Your Side

ORDER THE KNIGHT-KIT MANUAL OF YOUR CHOICE

HI-FI KIT MANUALS

Stock No.	Description	Kit on Pg.	EA.
37 U 292 E	KM-15 12-Watt Hi-Fi Amplifier	32	.25
84 U 002 E	KG-50 Stereo Tuner	24-25	.75
84 U 010 E	KG-320 32-Watt Trans. Stereo Amp.	21	.75
84 U 013 E	KG-765 Transistor Stereo Tuner	Cov. 2	1.00
84 U 015 E	KG-854 54 Watt Trans. Stereo Amp.	12-13	.60
84 U 023 E	KG-400 39-Watt Stereo Amplifier	30	.75
84 U 029 E	KG-240 20-Watt Stereo Amplifier	31	.50
84 U 053 E	KG-65 Mono FM-AM Tuner	33	.60
84 U 055 E	KG-250 24-Watt Stereo Amplifier	24-25	.50
84 U 057 E	KG-870 70-Watt Trans. Stereo Amp.	14-15	1.00
84 U 059 E	KU-45A Stereo FM-AM Receiver	28	1.00
84 U 088 E	KG-895 120-Watt Trans. Stereo Amp.	10-11	1.50
84 U 089 E	KG-964 Trans. Stereo. FM-AM Rec.	8-9	1.50
84 U 090 E	KG-415 Trans. Stereo Tape Deck	34	1.50

ELECTRONIC LAB KIT MANUALS

Stock No.	Description	Kit on Pg.	EA.
37 U 289 E	12-in-1 Electronic Lab	84	.50
84 U 035 E	21-in-1 Electronic Lab	84	.50
84 U 047 E	100-in-1 Electronic Lab	85	1.50

AUTOMOTIVE KIT MANUALS

Stock No.	Description	Kit on Pg.	EA.
84 U 022 E	KG-375 Auto Analyzer	88-89	1.00
84 U 038 E	Transistorized Tachometer	86	.35
84 U 091 E	KG-371 DC Power Timing Light	88-89	.35

HOBBY KIT MANUALS

Stock No.	Description	Kit on Pg.	EA.
37 U 290 E	Ranger III Table Radio	93	.30
38 U 050 E	Crystal Set	85	.10
38 U 934 E	Photoelectronic Relay	86	.25
84 U 071 E	KG-275 Exposure Meter	96	.30
84 U 087 E	KG-201 Motor Speed/Light Control	81	.25

SHORTWAVE RECEIVER KIT MANUALS

Stock No.	Description	Kit on Pg.	EA.
38 U 161 E	6-Band Ocean Hopper	93	.25
38 U 187 E	2-Band Space Spanner	92	.35
38 U 298 E	4-Band Span Master	92	.35
84 U 031 E	5-Band Star Roamer	94-95	.35

INTERCOM KIT MANUALS

Stock No.	Description	Kit on Pg.	EA.
38 U 197 E	Economy 2-Station Intercom	90	.25
84 U 019 E	KG-210 2-Station Transistor Intercom	90	.30
84 U 020 E	KG-225 Transistor Wireless Intercom	91	.30

CITIZENS BAND KIT MANUALS

Stock No.	Description	Kit on Pg.	EA.
84 U 005 E	C-560 Deluxe Transceiver	54-55	1.00
84 U 006 E	C-22 Universal Transceiver	60-61	.75
84 U 018 E	KG-4000A Walkie-Talkie	66-67	.75
84 U 032 E	C-100 Walkie-Talkie	62-63	.25
84 U 073 E	C-555 Walkie-Talkie	64-65	.35
84 U 074 E	Ten-2 Citizens Band Checker	72	.50
84 U 084 E	"Safari I" 23-Channel Transceiver	56-57	1.50
84 U 075 E	C-540 Transceiver	50-51	.75
84 U 085 E	C-577 Audio Compressor	73	.35

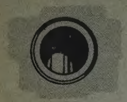
AMATEUR KIT MANUALS

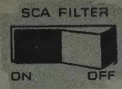
Stock No.	Description	Kit on Pg.	EA.
38 U 296 E	100-KC Crystal Calibrator	80	.25
38 U 852 E	G-30 Grid Dip Meter	80	.35
84 U 011 E	T-60 60-Watt Transmitter	75	.60
84 U 033 E	P-2 SWR/Power Meter	74	.35
84 U 052 E	R-100A Receiver	76	1.00
84 U 056 E	LC-1 Code Practice Oscillator	79	.25
84 U 058 E	R-55A Receiver	77	.75
84 U 083 E	KG-220 and KG-221 FM Monitors	82-83	.75

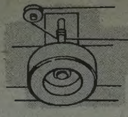
TEST EQUIPMENT KIT MANUALS

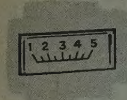
Stock No.	Description	Kit on Pg.	EA.
38 U 168 E	20,000 Ohms/Volt VOM	38	.35
38 U 199 E	Transistor/Diode Checker	42	.25
38 U 884 E	Pocket VOM	42	.25
84 U 008 E	KG-2000 DC to 5 Mc Oscilloscope	52-53	1.50
84 U 034 E	400A Economy Tube Tester	42	.30
84 U 060 E	KG-600B Tube Tester	40-41	.50
84 U 061 E	KG-660 6V-12V Battery Eliminator	47	.35
84 U 062 E	KG-620 VTVM	37	.30
84 U 063 E	KG-625 Deluxe 6" VTVM	36	.75
84 U 064 E	KG-645 1000 Ohms/Volt VOM	39	.25
84 U 065 E	KG-6305" Wideband Oscilloscope	48	.50
84 U 066 E	KG-670 Res./Cap. Tester	45	.25
84 U 067 E	KG-650 RF Signal Generator	43	.50
84 U 068 E	KG-680 In-Circuit Cap. Checker	46	.25
84 U 069 E	KG-690 Hi-Gain Signal Tracer	45	.50
84 U 070 E	KG-676 Scope Voltage Calibrator	48	.25
84 U 078 E	KG-652 Sweep Generator	44	.60
84 U 079 E	KG-653 Audio Generator	44	.50
84 U 080 E	KG-667 Flyback Checker	46	.30
84 U 081 E	KG-635DC to 5.2 mc Wideband Scope	50-51	1.25
84 U 086 E	KG-675 RC Substitution Box	46	.30

CHECK THESE "SUPERBA" FEATURES!

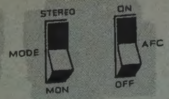

Front-Panel Stereo Head-phone Jack


SCA FILTER
ON
OFF
Filter Reduces Storecast Interference

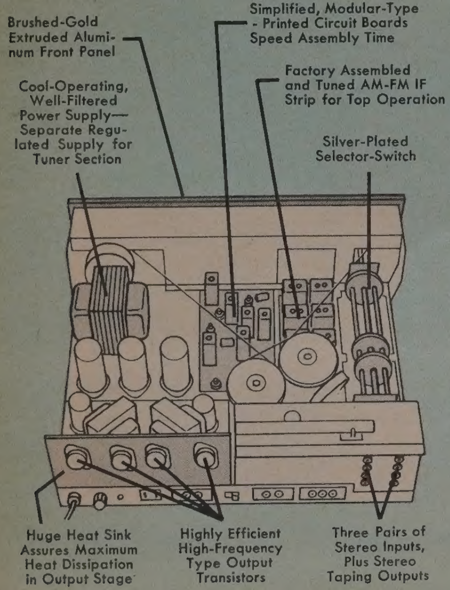

Deluxe Ball-Bearing Fly-wheel Tuning



Illuminated Tuning Meter for FM and AM


STEREO
MODE
MON
ON
AFC
OFF
Uses Space-Age Positive-Acting Rocker Switches

Automatic Stereo Indi-cator Light


Brushed-Gold Extruded Alumi-num Front Panel
Cool-Operating, Well-Filtered Power Supply—Separate Regu-lated Supply for Tuner Section
Simplified, Modular-Type - Printed Circuit Boards Speed Assembly Time
Factory Assembled and Tuned AM-FM IF Strip for Top Operation
Silver-Plated Selector-Switch
Huge Heat Sink Assures Maximum Heat Dissipation in Output Stage
Highly Efficient High-Frequency Type Output Transistors
Three Pairs of Stereo Inputs, Plus Stereo Taping Outputs

KG-964 64-Watt Stereo Multiplex FM-AM Receiver Kit

NEW KNIGHT-KIT SOLID-STATE ALL-IN-ONE FOR SUPERB LISTENING PLEASURE

$189^{95} less case

$10 monthly

- Advanced Solid-State Circuitry Utilizes 46 Premium-Quality Semiconductors for Finest Sound
- Wideband FM Section Automatically Switches to Stereo when Multiplex Programming Begins
- Unique Driver and Output Circuit for Minimum Distortion—Matches 4, 8, or 16 Ohm Speakers
- Self-Resetting Thermal Output Circuit Breakers for Individual Channel Protection
- FM Front-End Plus AM-FM IF Strip Factory Assembled and Pretuned for Easiest Assembly

Another exciting "first" from Knight-Kit, the world's most experienced manufacturer of solid-state hi-fi components in kit form! This new deluxe, 46-semiconductor stereo FM-AM receiver kit is packed with important features to give you every advantage of up-to-the-minute space-age audio technology. The KG-964 combines on a single chassis: individual FM and AM tuning sections; special multiplex circuitry that automatically switches to FM stereo; dual preamplifiers for records, tapes and auxiliary sources with a full set of inputs, outputs and controls; and a powerful 64-watt stereo amplifier.

FM front-end and AM/FM IF strip come to you factory assembled and precisely aligned. All transformers and coils are also factory aligned. FM has tuned RF, 3 wide-band IF's and ratio detector for high sensitivity, excellent selectivity and distortion-free reception; AFC for drift-free performance. Multiplex circuitry automatically switches to stereo mode and triggers front-panel light when stereocast begins; SCA filter switch reduces storecast interference. AM section has tuned RF stage and 10-kc whistle filter for best sound. Illuminated signal-strength tuning meter for FM and AM.

Preamplifier sections provide precise RIAA equalization for any magnetic cartridge, and NAB equalization for tape heads. Has extra set of inputs for any high-level auxiliary source. High-impedance stereo tape outputs are unaffected by volume or tone settings. Controls include: Volume; Balance; Treble; Bass; Tuning; plus 6-position Input Selector Switch. Employs 7 positive-action rocker switches for these functions: Stereo/Mono; AFC On/Off; Stereo/Reverse; Loudness On/Off; SCA Filter On/Off; Lo-Cut On/Off; Hi-Cut On/Off; Push-On/Push-Off AC power switch; and Phase Reverse Switch (on rear of chassis).

Husky 64-watt amplifier section uses no output transformers—there is no compromise of tonal beauty. You hear extra-powerful bass, clean midrange and sparkling highs. And, there's more than ample power to drive even low-efficiency speakers to room-filling levels. Virtually no hum, noise or microphonics to mar pleasureable listening. Self-resetting thermal output circuit breakers. Massive heat sink for power transistors assures maximum heat dissipation under any power condition.

Service switch on chassis provides on-the-air adjustment of multiplex circuit using the built-in tuning meter to provide optimum performance with your reception and antenna conditions. Has separately regulated independent power supply for tuner section to give highest reliability. 1 switched AC outlet on rear of chassis. Printed circuit boards, modules and plug-in sockets simplify assembly. Full-length, backlighted slide-rule dial. Size, 5x16¾x15". Panel has Sierra Gold finish. Instructions. Less case, below. For 110-130 v., 60 cycle AC. 26 lbs.

83 U 766 MUW. *$10 Monthly* **189.95**

83 U 040 MXW. Oiled Walnut Wood Case. 7 lbs. **19.95**

KG-964 RECEIVER SPECIFICATIONS

AMPLIFIER SECTION

Rated Power Output: 64 watts IHF, 32 watts per channel; 128 watts peak; 36 watts continuous sine wave, 18 watts per channel. **Outputs:** 4, 8 or 16-ohms each channel; front-panel stereo headphone jack; high-level for stereo taping. **Response:** ±1 db, 20-35,000 cps at rated output; ±1 db, 20-50,000 cps at 1 watt. **Distortion:** Harmonic, less than 1%; IM, less than 1.5%. **Hum and Noise:** High-Level Inputs, 75 db below rated output; Low-Level, better than 60 db below.

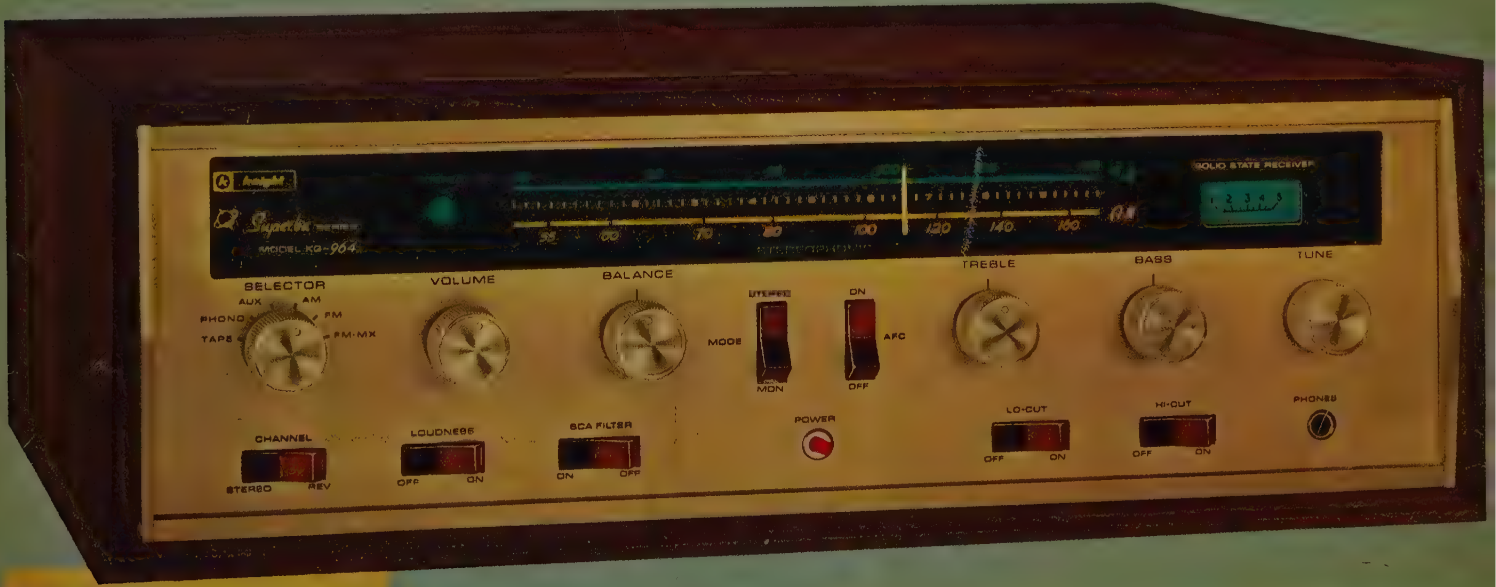
TUNER SECTION

IHF FM Sensitivity: 2.5 µv for 30 db; 1.25 µv for 20 db quieting. **Bandwidth:** 280 kc. **Hum and Noise:** 55 db. **Frequency Response:** ±1 db, 20-20,000 cps. **Harmonic Distortion:** less than 1%. **IF Rejection:** 75 db. **Image Rejection:** 30 db. **Capture Ratio:** 8 db. **Stereo Separation:** 35 db. **AM Sensitivity:** 3 µv for 10 db S/N ratio. **AM Bandwidth:** 10 kc at 6 db down. **Hum and Noise:** —40 db. **IF Rejection:** 55 db. **Image Rejection:** 40 db. **AM Harmonic Distortion:** less than 1%.

NEW from knight-kit

"Superba" Series KG-964 Solid-State Receiver Kit

OUR FINEST ALL-IN-ONE . . . 64-WATT STEREO AMPLIFIER . . . WIDEBAND FM TUNER WITH AUTOMATIC STEREO MULTIPLEX SWITCHING . . . HIGHLY SENSITIVE AM


knight
Superba SERIES
MODEL KG-964
SOLID STATE RECEIVER
55 60 70 80 100 120 140 160
SELECTOR
AUX AM
PHONO FM
TAPE FM-MX
VOLUME
BALANCE
MODE
STEREO
MON
ON
AFC
OFF
TREBLE
BASS
TUNE
CHANNEL
STEREO REV
LOUDNESS
OFF ON
SCA FILTER
ON OFF
POWER
LO-CUT
OFF ON
HI-CUT
OFF ON
PHONES

$189⁹⁵ less case

$10 monthly

One of the New "Superba" Series . . . A Masterpiece of Solid-State High-Fidelity . . . Craftsmanship and Dependability at a Sensible Price . . . New KG-964 Brings You Flawless Reproduction from Every Source . . . Plus Styling of Lasting Beauty . . . and, Knight-Kit Buildability

LOOK AT THESE DELUXE "Superba" FEATURES!

MAIN SPKRS
REMOTE SPKRS

Main/Remote Speaker Switch Maintains Load —No Lead Changing

SOURCE
TAPE MON

High-Impedance, Emitter-Follower Tape Monitor Facilities for Recorders

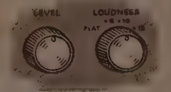
PHONO
TUNER
TAPE MON
TAPE
AUX 1
AUX 2

Illuminated, 6-Window Indicator Shows Selected Operating Input

Uses Eight Positive-Acting, Deluxe Rocker Switches for Effortless Function Changes

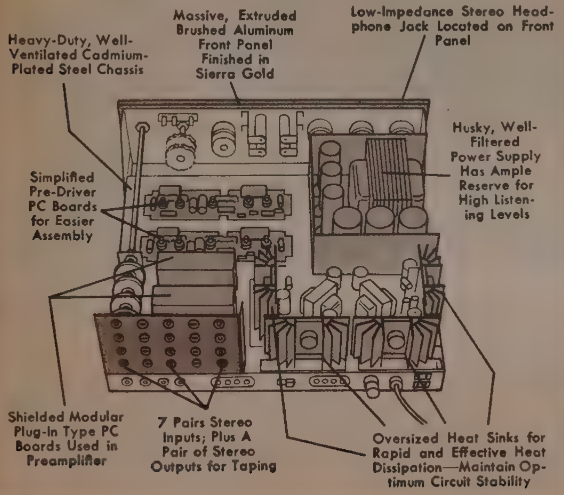
BASS
TREBLE

Dual-Concentric, Clutch-Type Bass and Treble Controls Permit Precise Tonal Adjustments


LEVEL
LOUDNESS
FLAT

Separate Level Control and 4-Position Loudness Switch Allow Exact Audio Compensation

CHECK THESE HIGHLIGHTS!


Heavy-Duty, Well-Ventilated Cadmium-Plated Steel Chassis
Massive, Extruded Brushed Aluminum Front Panel Finished in Sierra Gold
Low-Impedance Stereo Headphone Jack Located on Front Panel
Husky, Well-Filtered Power Supply Has Ample Reserve for High Listening Levels
Simplified Pre-Driver PC Boards for Easier Assembly
Shielded Modular Plug-In Type PC Boards Used in Preamplifier
7 Pairs Stereo Inputs; Plus A Pair of Stereo Outputs for Taping
Oversized Heat Sinks for Rapid and Effective Heat Dissipation—Maintain Optimum Circuit Stability

KG-895 120-Watt Stereo Amplifier Kit

$149⁹⁵ less case

$8 monthly

- Advanced Solid-State Circuitry Uses 26 Premium-Quality Transistors and 8 Diodes
- Direct-Coupled Output for Widest Response and Flawless Sound Reproduction
- Has Automatic, Self-Resetting Thermal Output Circuit Breaker Protection
- Output Circuit Directly Matches 4, 8, or 16-Ohm Speaker Systems
- Printed Circuit Modules, Terminal-Type Boards and Couplates for Easy Assembly

Years ahead in every facet of its brilliant solid-state design . . . flawless in performance . . . with decorator inspired styling . . . the new "Superba Series" KG-895 120-Watt Stereo Amplifier sets a standard of excellence that defies comparison! You thrill to stereophonic sound at its finest, with absolute purity and unparalled tonal beauty. Listen to symphonic crescendos and percussion bursts with spine-tingling clarity and spectacular depth.

34 of the finest semiconductors are used in the KG-895's advanced circuit. They offer such significant advantages as freedom from annoying microphonics and mechanical noises; virtual elimination of heat, hum and thermal noise; plus surprising light weight and compactness. You also get instant operation with no warm-up needed; day-in and day-out reliability; exceptional durability.

Develops a powerful 120-watt IHF output—a tremendous 240-watt peak power output to drive any speaker to its absolute maximum! High-frequency type power transistors assure extended range response even at full rated output. Massive, finned heat sinks in output circuit provide coolest operation. Automatic, self-resetting thermal circuit breakers afford protection to speakers and output. Barrier-type speaker terminal strips prevent accidental short circuiting. Has 2 sets of stereo speaker outputs with front-panel switch for remote or main; also front-panel jack for low-impedance stereo headphones. Carefully matched level-control sections achieve optimum channel balance at any volume.

Front-panel controls: Balance; Level; dual-concentric, clutch-type Bass and Treble. Switches: 4-position Loudness; 6-position Selector; Speaker On/Off; Main Speakers/Remote Speakers; Stereo/Monaural; Normal/Reverse; Power On/Off; Hi-Cut On/Off; Lo-Cut On/Off; and Source/Tape Monitor.

7 matched stereo inputs, (6 switched pairs plus tape monitor controlled by front-panel switch). Recorder outputs unaffected by control settings. 4 pair of level-set controls for inputs. Size, 5x16¾x15". Panel finished in Sierra Gold. With all parts and detailed instructions. Less case, below. For 110-130 v., 60 cycle AC. Shpg. wt., 28 lbs.

83 U 604 MUW. *$8 Monthly* **149.95**
83 U 040 MXW. Oiled Walnut Wood Case. 7 lbs. **19.95**

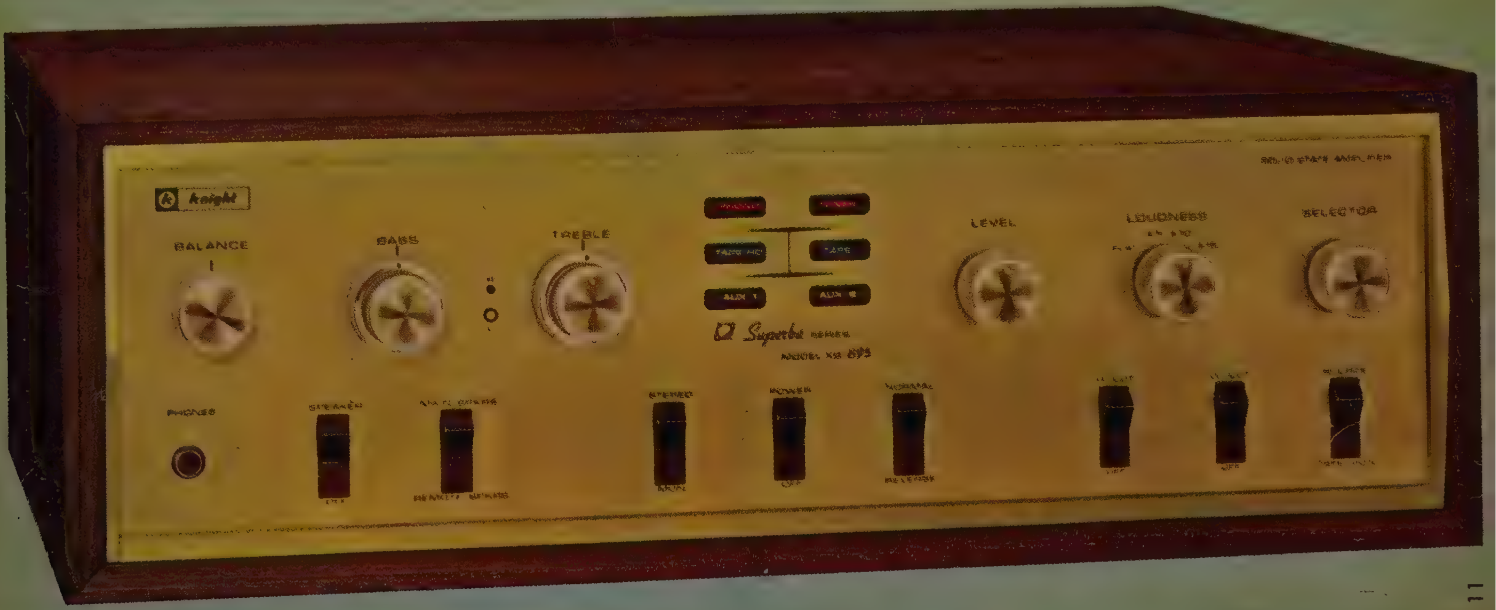
KG-895 SPECIFICATIONS

Rated Power Output (8-Ohm Load): 120 watts IHF, 60 watts per channel; 240 watts peak; 80 watts continuous sine wave, 40 watts per channel.
Frequency Response: ±1 db, 18 to 30,000 cps at full rated power output.
Distortion: Harmonic, less than 0.7% at full rated output; Intermodulation, less than 1% with signal of 60 cps and 7 kc, mixed 4:1.
Power Bandwidth: rated power or greater, 20 to 20,000 cps at less than 1% distortion.
Hum and Noise: Tuner and Auxiliary Inputs, 75 db below rated output; Magnetic Phono, 65 db below; Tape Head, 60 db below.
Damping Factor: 6, for 8-ohm speakers.
Equalization: Magnetic Phono Input, RIAA; Tape Head Input, NAB.
Channel Separation: better than 55 db.
Input Sensitivity: Tuner and Auxiliary, .25 volt; Magnetic Phono, 2.5 millivolts; Tape Head, 2.0 millivolts; Tape Monitor, 0.5 volt. Individual level-set potentiometers for Magnetic Phono, Tuner, Auxiliary 1 and Auxiliary 2.
Recorder Output: 0.5 v. output for rated input sensitivity independent of control settings.
Rumble Filter: 6 db per octave roll-off below 50 cps; front-panel switched.
Scratch Filter: 6 db per octave roll-off above 3000 cps; front-panel switched.
Bass Control: ±15 db at 50 cps.
Treble Control: ±10 db at 15,000 cps.
Loudness Control: 4-position front-panel switch with Fletcher-Munson compensation.
Power Consumption: approximately 35 watts normal use; 200 watts when driven to full output.

NEW from **knight-kit**

Our Finest SOLID-STATE Stereo Amplifier Kit

MAGNIFICENT "SUPERBA" SERIES KG-895 WITH A MIGHTY 120-WATT OUTPUT


knight
BALANCE
BASS
TREBLE
LEVEL
LOUDNESS
SELECTOR
Superba series
MODEL KG 895
TAPE MON
TAPE
AUX 1
AUX 2
PHONES
SPEAKER
STEREO
POWER
NORMAL
REVERSE

$149⁹⁵ less case

$8 Monthly

Introducing the Knight-Kit "Superba" Series . . . A Triumph in Solid-State Audio Reproduction . . . Brings You Extraordinary Performance Never Before Attainable in Transistor Hi-Fi Components . . . With Unlimited Operational Flexibility . . . Plus Styling of Lasting

knight-kit Stereo of Tomorrow, Here Nov

STEREO HIGH-FIDELITY

SELECTOR
PHONO
TUNER
TAPE
AUX
VOLUME
BALAN
STEREO
REV.
OFF
LOUDNESS
OFF
SCRATCH FIL
OFF

Shown in Optional Walnut Ca

KG-854 Gives Brilliant "Transistor Sound" at a Moderate Pric

DYNAMIC STEREO REALISM . . GREATER POWER . . COMPACT DESIGN

$79 95 less case

$5 monthly

- 54-Watt Power for Room-Filling, Brilliant 3-Dimensional Stereo
- Advanced Design Boasts 14 Transistors and 2 Silicon Diodes
- Tubeless Circuit Reproduces the Entire Orchestral Range
- No Output Transformers to Limit Frequency Response
- Plays Instantly • Cool Operation for Longer Component Life
- Specially Engineered for Exceptionally Simple Assembly

108 Watts Peak Power for Realism Rivaling the Actual Performance

For magnificent total-range music reproduction, years-ahead features and styling of lasting beauty, choose the popular KG-854. Thrill to the strikingly clean and pure sound that only a solid-state amplifier offers. Get the advantage of extreme reliability too.

There are no output transformers to limit the response. You hear extra-powerful, natural bass and crystal-clear highs for the most true-to-life stereo ever. Tubeless design virtually eliminates hum, heat, noise and microphonics. You get absolute tonal purity.

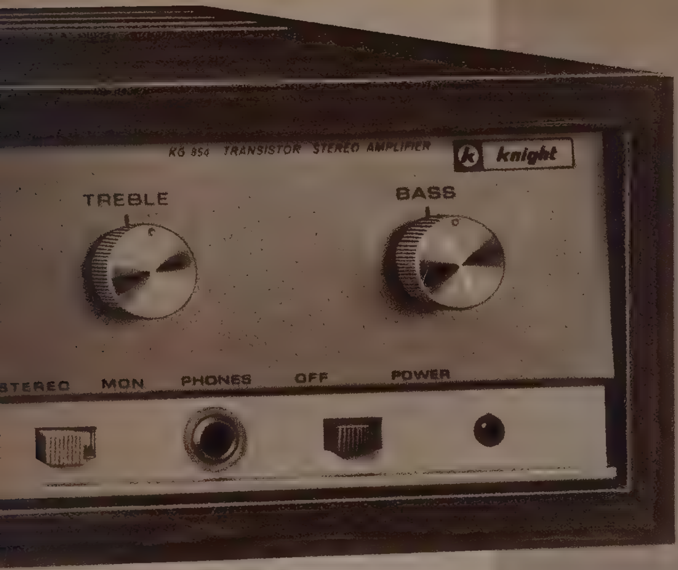
A large printed circuit board with handy plug-in transistor sockets, plus military-type terminal-board wiring help to provide remarkably easy assembly. The latest in self-resetting circuit-breakers afford overload protection for each channel. Five pairs of inputs accommodate every program source: tape head, magnetic phono, tuner, auxiliary 1 and auxiliary 2. Switch-type loudness control gives you convenient automatic low-level frequency compensation. All the output faciliti you'll need, too: 8 and 16 ohms for speakers; two hig impedance jacks for tape recording; plus a front-pan stereo headphone jack that automatically mutes spea ers for private stereo listening.

Complete array of controls: selector switch, volun control, balance control, bass and treble contro Switches: stereo reverse, loudness control, scratch filte rumble filter, stereo/mono, power on-off, speaker pha reverse. Measures a compact 2¾x13x11". Elegant styled in Sierra Gold and Charcoal.

With solder, and detailed step-by-step assembly i structions. Less case, listed below. For 110-130 vol 60 cycle AC. Shpg. wt., 14 lbs.

83 U 605 MXW. *$5 Monthly* **79.9**
83 U 035 MXW. Oiled Walnut Case. Wt., 4 lbs. . . **12.**
83 U 036 MXW. Brown Metal Case. Wt., 3 lbs. . . . **5.**

KG-854 54-Watt Solid-State Stereo Amplifier Kit

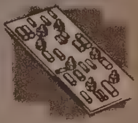

KG 854 TRANSISTOR STEREO AMPLIFIER
knight
TREBLE
BASS
STEREO
MON
PHONES
OFF
POWER

DELUXE FEATURES

Solid-State . . . 14 Transistors, 2 Silicon Diodes

4-Position Selector Knob

Jack for Stereo Headphone Listening


Modular-Type Printed-Circuit Construction

Combination Offer on KG-854 54-Watt Stereo Amplifier Kit and KG-765 Stereo FM-AM Tuner Kit . . . Buy Both and Save $5.00

Two brilliant performers at a special low price! KG-854 All-Transistor 54-Watt Stereo Amplifier and KG-765 All-Transistor Stereo FM-AM Tuner Kits are perfectly matched electronically and in physical dimensions. Each, only 2¾x13x11" . . . ideal for any hi-fi installation. KG-765 Tuner (see inside front cover) offers stereo multiplex FM, wideband FM, and highly sensitive AM. All parts, wire, solder and instructions. Less cases, KG-854 preceding page; KG-765, below. For 110-130 v., 60 cycle AC. 27 lbs.

5 U 081 AL2MXW. Combination.......... **169.90**
3 U 081 MXW. Oiled Walnut Case. 4 lbs..... **12.95**
3 U 084 MXW. Brown Metal Case. 3 lbs....... **5.95**

SPECIFICATIONS

otal Rated Power Output: 54 watts IHF music power, 108 watts peak power; 34 watts continuous sine wave power. For 8 or 16 ohm speakers.

requency Response: ±1 db, 20 to 25,000 cps.

istortion: Harmonic, less than 1%; Intermodulation, less than 1.5% (both measured at full power output).

lum and Noise: Tuner and Auxiliary, −75 db; Magnetic Phono and Tape Head, better than −60 db.

hannel Separation: exceeds 40 db.

nputs: Tape Head (NAB equalization); Magnetic Phono (RIAA equalization); Tuner; Auxiliary 1; Auxiliary 2.

ass Cut or Boost: 10 db at 100 cps.

reble Cut or Boost: 5 db at 15 kc.

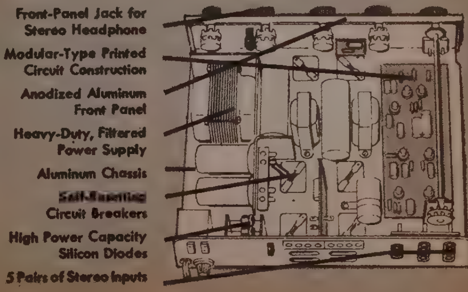
ensitivity for Rated Output: Tape Head, 2.5 millivolts; Magnetic Phono, 3 millivolts; Tuner, 0.5 volt; Auxiliary 1, 0.25 volt; Auxiliary 2, 1 volt.

Save on Perfectly Matched Solid-State Stereo Kit Companions

Cases Optional

Both Kits Only $169⁹⁰ $9 monthly **Save $5.00**

Look at All the KG-854 Features


Front-Panel Jack for Stereo Headphone
Modular-Type Printed Circuit Construction
Anodized Aluminum Front Panel
Heavy-Duty, Filtered Power Supply
Aluminum Chassis
Self-Resetting Circuit Breakers
High Power Capacity Silicon Diodes
5 Pairs of Stereo Inputs

See Page 20 for KG-854 Stereo Music Systems

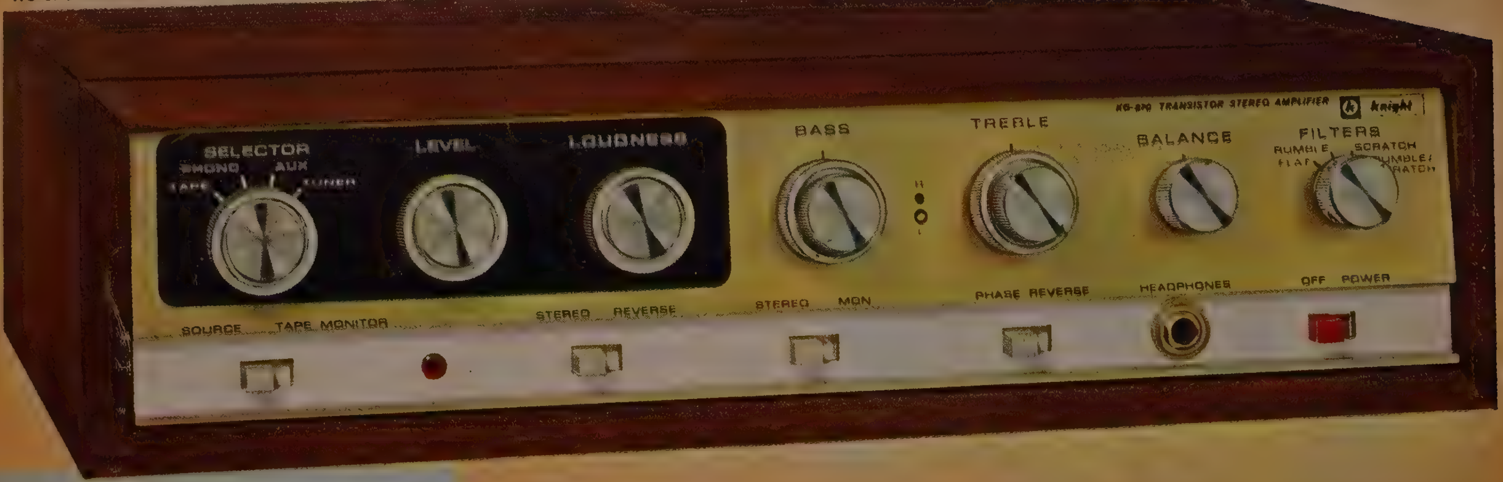
knight-kit
STEREO HIGH-FIDELITY

Treat Yourself to a Great Listening Experience . . .

70-Watt Solid-State Stereo Amplifier Kit

POPULAR KG-870 DEVELOPS A MIGHTY 140 WATTS PEAK POWER!

KG-870 Shown in Oiled Walnut Case


KG-870 TRANSISTOR STEREO AMPLIFIER
knight
SELECTOR
PHONO
AUX
TAPE
TUNER
LEVEL
LOUDNESS
BASS
TREBLE
BALANCE
FILTERS
RUMBLE
FLAT
SCRATCH
RUMBLE/SCRATCH
SOURCE
TAPE MONITOR
STEREO
REVERSE
STEREO
MON
PHASE REVERSE
HEADPHONES
OFF
POWER

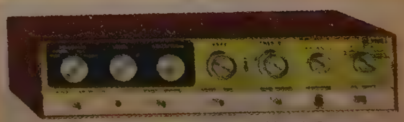
Leading Publications Review the KG-870!

HERE'S WHAT THEY'RE SAYING:

$99.95 less case

$5 monthly

Gives You Clearer, Purer, and More Realistic Hi-Fi



KG-870 Shown in Brown Metal Case

"... has a superbly transparent and well-defined listening quality ... sounds like some selling for twice its price ..."

ELECTRONICS WORLD

"... has transistor sound ... a full-feature amplifier ... just about every convenience ... even with inexpensive speakers sound seems clean ..."

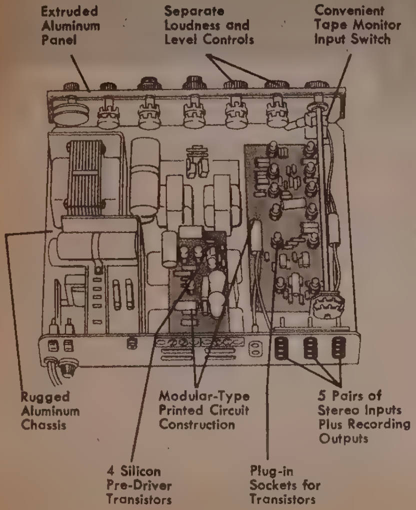
RADIO-TV EXPERIMENTER

"... represents a price breakthrough for equipment of its capabilities. It yields 35 watts output per channel with exceptional clarity ..."

OPERA NEWS

(by permission of the Metropolitan Opera Guild, Inc.)

LOOK AT THESE DELUXE FEATURES!


Extruded Aluminum Panel
Separate Loudness and Level Controls
Convenient Tape Monitor Input Switch
Rugged Aluminum Chassis
Modular-Type Printed Circuit Construction
5 Pairs of Stereo Inputs Plus Recording Outputs
4 Silicon Pre-Driver Transistors
Plug-in Sockets for Transistors

KG-870 70-Watt Stereo Amplifier Kit

OUR MOST POPULAR ALL-TRANSISTOR MODEL

- Uses 22 Transistors and 4 Silicon Diodes for Top Performance
- No Output Transformers or Blocking Capacitors—Superb Bass
- Loudness Control for Optimum Response at Low Listening Levels
- Absolutely No Microphonics—Virtually No Hum, Noise or Heat

From across the land comes enthusiastic praise for the KG-870—a superb stereo amplifier kit embodying the latest advancements of the audio art. Through its solid-state circuitry, the KG-870 brings you unparalleled enjoyment of your favorite music. 26 premium-semiconductors guarantee thrillingly realistic high-fidelity performance; virtually eliminate heat, hum and extraneous noise; and account for the amazing compactness of this unit (measures only 2¾" high). They also provide absolute freedom from microphonics and mechanical noises as well as permitting instant operation—no warm-up time required.

The KG-870 develops a powerful 70-watt IHF music power output—a magnificent 140 watts of peak power. And there are no output transformers or DC blocking capacitors in the output stage to compromise tonal beauty of your favorite musical selections. Reproduction is so clean and pure that it actually must be heard to be believed. In addition, such spectacular Knight-Kit "PLUS" features as modular printed circuits and plug-in transistor sockets assure you of fast, easy assembly.

Features: loudness control for full-range response at low listening levels; deluxe rumble and scratch filters; dual-concentric bass and treble controls for each channel; front-panel jack for stereo headphones. Has 5 pairs of stereo inputs: Tape Head (NAB equalized); Magnetic Phono (RIAA equalized); Tuner; Aux 1; Aux 2. Outputs for tape recording with monitor switch feature for 3-head units. Size, 2¾x13x11". Sierra Gold and Charcoal panel. With all parts and detailed instructions. Less case, below. For 110-130 v., 60 cycle AC. Wt., 15 lbs.

83 U 603 MXW. *$5 Monthly*........................... **99.95**
83 U 548 MUW. Above, factory assembled. *$8 Monthly*.... **149.95**
83 U 035 MXW. Oiled Walnut Wood Case. 4 lbs.............. **12.95**
83 U 036 MXW. Brown Metal Case. 3 lbs.................... **5.95**

KG-870 SPECIFICATIONS

Rated Power Output: 70 watts IHF (35 watts per channel); 140 watts Peak; 28 watts per channel Continuous Sine Wave. For use with 8 and 16-ohm speakers. **Frequency Response:** ±1 db, 20 to 25,000 cps at rated power. **Distortion:** Harmonic, 0.5%; IM, less than 1%; measured at full power. **Hum Level:** Tuner, −80 db; Magnetic Phono, −68 db; Tape Head, −60 db; Aux. 1 and 2, −80 db. **Channel Separation:** 40 db. **Inputs:** Tape Head (NAB); Magnetic Phono (RIAA); Tuner; Auxiliary 1; and Auxiliary 2.

Special Tuner/Amplifier Combination Offer!

KG-870 Stereo Amplifier Kit and KG-765 Stereo FM-AM Tuner Kit Offer

Save $5.00 Both For $189⁹⁰ less cases $10 monthly

Two brilliant performers at a money-saving price! Knight-Kit's KG-870 Solid-State 70-Watt Stereo Amplifier Kit and KG-765 Solid-State Stereo FM-AM Tuner Kit sell for $194.90 when bought separately. Save $5.00 with our combination offer price.

Both kits are perfectly matched electrically and in physical dimensions and style. Each measures a compact 2¾x13x11". Ideal for practically any mounting arrangement—either on a shelf, or built into custom cabinetry.

KG-765 (fully described, inside front cover) gives breathtaking stereo FM, conventional wide-band FM, highly sensitive AM. KG-870 fully described at left. Less cases, KG-870 left, KG-765 below. 28 lbs.

85 U 013 AL2MXW. *$10 Monthly*.... **189.90**
83 U 081 MXW. Oiled Walnut Case. 4 lbs. **12.95**
83 U 084 MXW. Brown Metal Case. 3 lbs.. **5.95**

See pages 22 and 23 for a complete selection of KG-870 and KG-765 hi-fi systems.

knight-kit

STEREO HI-FI SYSTEMS

Stereo FM-AM-Phono Systems

COMPLETE SOLID-STATE MUSIC CENTERS

Receiver Kit Systems Save You Money

Stereo receivers are really two components in one. Kits save factory assembly costs; Allied systems save you big money off cost of components bought separately.

Receiver Systems Are Easy to Install

The stereo receiver occupies less space on a shelf or in cabinet than two separate components. It requires fewe connecting cables and one less cutout for custom mountin

Lowest Priced 64-Watt Stereo FM-AM-Phono Music Center

Save $41.20 **$329.95** $16 monthly

Delivers impressive stereo music from radio and phono—plus huge savings off individual component costs.

KNIGHT-KIT KG-964 RECEIVER KIT. Combines 64-watt stereo amplifier with deluxe stereo FM-AM tuner. Solid-state. Oiled walnut case. See p. 8.

GARRARD AT60 AUTOMATIC TURNTABLE. 4 speeds; oversize, balanced platter; counterweighted tubular pickup arm. Oiled walnut base. See p. 165.

SHURE M44C STEREO CARTRIDGE. Magnetic; diamond needle. Mounted in pickup arm. See p. 170.

2—KNIGHT KN-3030K SPEAKER SYSTEM KITS. Easy-to-assemble 12″ 3-way systems, bookshelf-type. See p. 126. With all connecting cables, instructions. 111 lbs. Express.

84 U 563 DL6MZ. *$16 Mo.*... **329.95**

ALTERNATE. *SAVE $46.20.* Above, but with 2—KN-2330K 12″ 3-way system kits (p. 125) in place of KN-3030K system kits. 117 lbs. Express.

84 U 564 DL6MZ. *$17 Monthly* **344.95**

Custom Installation 64-Watt Stereo FM-AM-Phono Music Center

Save $41.35 **$347.95** $17 monthly

For installation in your own custom cabinetry. Big savings off separate component costs, too.

KNIGHT-KIT KG-964 RECEIVER KIT. 64-watt solid-state amplifier and stereo FM-AM tuner in one easy-to-assemble unit. See p. 8. Less case (p. 8).

GARRARD AT60 AUTOMATIC TURNTABLE. Loaded with features. See p. 165.

PICKERING V-15/AT-2 CARTRIDGE. Magnetic; diamond needle. See p. 170. Less turntable base, below.

2—KNIGHT KN-612HC SPEAKERS. Knight's best 12″ 3-way speaker. See p. 129. With all connecting cables, instructions. 95 lbs. Express.

84 U 565 DL4MZ. *$17 Mo.*... **347.95**

73 U 057 X. Oiled Walnut Wood Base. For AT-60 turntable. 3 lbs....... **3.90**

ALTERNATE. *Save $46.35.* Above, but 2—Knight KN-615 15″ 3-way speakers (p. 129) in place of KN-612 speakers. Shpg. wt., 95 lbs. Express.

84 U 566 DL4MZ. *$17 Monthly*. **362.95**

Plus-Value 64-Watt Stereo FM-AM-Phono Music Center

Save $43.20 **$354.95** $17 monthly

The beauty and clarity of solid-stat stereo, plus giant savings off cost c components purchased separately.

KNIGHT-KIT KG-964 RECEIVER KIT. 64 watt stereo amplifier with delux stereo FM-AM tuner. Solid-state Oiled walnut case. See p. 8.

GARRARD A70 AUTOMATIC TURNTABLI 4 speeds; oversize platter; counter weighted arm; pusher-type changer Oiled walnut base. See p. 164.

EMPIRE 888 STEREO CARTRIDGE. Mag netic; diamond needle. Mounted i pickup arm. See p. 170.

2—KNIGHT KN-3030K SPEAKER SYS TEM KITS. Easy-to-assemble 12″ 3-wa systems, bookshelf-type. See p. 126 With all connecting cables, instruc tions. 119 lbs. Express.

84 U 567 DL6MZ. *$17 Mo.*... **354.9**

ALTERNATE. *Save $53.20.* Above, bu 2—easily assembled KN-2260K 12″ 3 way systems (p. 124) in place of KN 3030K systems. 139 lbs. Express.

84 U 568 DL6MZ. *$18 Monthly*. **384.9**

Featuring KG-964 Solid-State Stereo Receiver Kit

SYSTEMS SELECTED FOR DAZZLING STEREO RADIO-PHONO PERFORMANCE

Receiver Systems Are Easy to Operate

ull complement of controls for both stereo amplifier and ereo multiplex FM-AM tuner on a single panel lets you uickly make virtually all audio adjustments in one place.

Benefits of Solid-State Stereo Receivers

The instant you turn your solid-state stereo receiver on, you get magnificently lifelike music. Solid-state receivers also feature compactness, cooler operation and rugged durability

Deluxe 64-Watt Stereo FM-AM-Phono Music Center

Save $52.30 **$379^95** **$18 monthly**

Brilliant rendering of stereo music to it any mood. You save plenty off ndividual component costs, too. **KNIGHT-KIT KG-964 RECEIVER KIT.** Solid-tate 64-watt stereo amplifier and tereo FM-AM tuner in single unit. Oiled walnut case. See p. 8. **GARRARD A70 AUTOMATIC TURNTABLE.** 4 speeds; oversize platter; counter-weighted arm; pusher-type changer. Oiled walnut base. See p. 164. **PICKERING V-15/AT-2 CARTRIDGE.** Magnetic type with diamond needle. Mounted in head. See p. 170. **2—ACOUSTIC RESEARCH AR-4 SPEAKER SYSTEMS.** 8″ acoustic suspension-type. 8″ woofer, 3½″ tweeter. See p. 174. With all connecting cables, instructions. 103 lbs Express.

84 U 569 DL6MZ. *$18 Mo.*... **379.95**

ALTERNATE. *Save $68.20!* Above, but 2—Knight KN-2300A 12″ 3-way acoustic-suspension systems (p. 123) in place of AR-4 systems. 145 lbs.

84 U 570 DL6MZ. *$19 Monthly.* **409.95**

Ultra-Deluxe 64-Watt Stereo FM-AM-Phono Music Center

Save $66.20 **$399^95** **$18 monthly**

Delivers dynamic stereo music, bursting with realism. Big savings off individual component costs. **KNIGHT-KIT KG-964 RECEIVER KIT.** Combines 64-watt stereo amplifier and deluxe stereo FM-AM tuner. Solid-state. Oiled walnut case. See p. 8. **GARRARD LAB 80 AUTOMATIC TURNTABLE.** Garrard's most advanced! Features automatic indexing and cueing. Oiled walnut base. See p. 164. **EMPIRE 888PE STEREO CARTRIDGE.** Magnetic type with elliptical diamond needle. See p. 170. **2—KNIGHT KN-2260K SPEAKER SYSTEM KITS.** Easy-to-assemble 12″ 3-way systems, bookshelf-type. See p. 124. With all connecting cables, instructions. 141 lbs. Express.

84 U 571 DL6MZ. *$18 Mo.*... **399.95**

ALTERNATE. *Save $71.20.* Above, but 2—KN-2300AK 12″ 3-way acoustic suspension system kits (p. 123) in place of KN-2260K's. 153 lbs. Express.

84 U 572 DL6MZ. *$19 Monthly.* **414.95**

Supreme 64-Watt Stereo FM-AM-Phono Music Center

Save $82.75 **$469^95** **$20 monthly**

Each component is designed to give the best! You get big savings off cost of components bought separately. **KNIGHT-KIT KG-964 RECEIVER KIT.** All-in-one solid-state stereo 64-watt amplifier and deluxe stereo FM-AM tuner. Oiled walnut case. See p. 8. **GARRARD LAB 80 AUTOMATIC TURNTABLE.** Garrard's most advanced! Features automatic indexing and cueing. Oiled walnut base. See p. 164. **SHURE M55E STEREO CARTRIDGE.** Magnetic; elliptical diamond needle. Mounted in pickup arm. See p. 170. **2—KNIGHT KN-2350A SPEAKER SYSTEMS.** Knight's deluxe 12″ 3-way acoustic suspension type. See p. 122. With all connecting cables, instructions. 159 lbs. Express.

84 U 573 DL6MZ. *$20 Mo.*... **469.95**

ALTERNATE. *Save $122.75.* Above, but 2—KN-2380 15″ 3-way floor or shelf (p. 121) systems in place of KN-2350A systems. 171 lbs. Express.

84 U 574 DL6MZ. *$23 Monthly.* **529.95**

See Pages Indicated for Full Descriptions of Components

knight-kit 120-Watt Stereo Phono Systems

Save $43.20

$309⁹⁵

$15 monthly

System 1—Lowest Cost 120-Watt Stereo System

KNIGHT-KIT KG-895 SOLID STATE STEREO AMPLIFIER KIT. Knight-kit's finest! Oiled walnut case. See page 10.
GARRARD AT60 AUTOMATIC TURNTABLE. Deluxe features, precision performance. Oiled walnut base. See page 165.
EMPIRE 888 CARTRIDGE. Magnetic type with 15° diamond needle. Supplied mounted in head. See page 170.
2—KNIGHT KN-2330K SPEAKER SYSTEM KITS. See p. 125.
With all connecting cables, instruction booklet. Shpg. wt., 119 lbs. Express.
84 U 575 DL6MZ. *$15 Monthly*. **309.95**

Save $45.35

$326⁹⁵

$16 monthly

Amplifier Kit and Changer Are Shown In Optional Oiled Walnut Case and Base

ystem 2—Selected Custom Installation System

NIGHT-KIT KG-895 SOLID-STATE STEREO AMPLIFIER KIT. night-kit's finest! 60 watts per channel. See page 10.
ARRARD A70 AUTOMATIC TURNTABLE. See page 164.
HURE M44C STEREO CARTRIDGE. See page 170.
NIGHT KN-612HC 12″ 3-WAY SPEAKERS. See page 128. With all connecting cables, instruction booklet. Less mplifier case and changer base, below. 104 lbs.
4 U 576 DL4MZ. Express. *$16 Monthly*. **326.95**
3 U 040 MXW. Oiled Walnut Amplifier Case. 7 lbs. **19.95**
3 U 056 MX. Oiled Walnut Turntable Base. 4 lbs. **3.90**

FEATURING NEW KG-895 120 WATT SOLID-STATE STEREO AMPLIFIER KIT

System 3—High-Value 120-Watt Stereo System

Giant-value grouping offering exceptional performance and incredibly true-to-life stereo—all at a $47.30 savings off cost of components purchased separately.
KNIGHT KN-895 SOLID-STATE STEREO AMPLIFIER KIT. 60 watts per channel for detailed reproduction of even subtlest nuances. Oiled walnut case. See page 10.
GARRARD A70 AUTOMATIC TURNTABLE. Deluxe features, outstanding performance. Oiled walnut base. See page 164.
PICKERING V-15/AT-1 STEREO CARTRIDGE. Magnetic type, 15° diamond needle. Pre-mounted. See page 170.
ACOUSTIC RESEARCH AR-4 SPEAKER SYSTEMS. 8″ 2-way systems with famous acoustic suspension. See page 174.
With all connecting cables, instruction booklet. Shpg. wt., 101 lbs. Express.
84 U 577 DL6MZ. *$17 Monthly*. **344.95**

System 4—Deluxe 120-Watt Stereo System

Selected to bring you highest quality stereo at a moderate cost, thanks to kit savings and big $51.20 system savings off cost of components bought separately.
KNIGHT-KIT KG-895 SOLID-STATE STEREO AMPLIFIER KIT. Knight-kit's finest—gives amazingly pure, realistic reproduction. Oiled walnut case. See page 10.
GARRARD A70 AUTOMATIC TURNTABLE. Deluxe record performance and handling. Oiled walnut base. See page 164.
SHURE M44C STEREO CARTRIDGE. Magnetic type with diamond needle, 15° angle. Pre-mounted. See page 170.
KNIGHT KN-2300AK SPEAKER SYSTEM KITS. Easy-to-assemble 12″ 3-way acoustic suspension systems. See page 123.
With all connecting cables, instruction booklets. Shpg. wt., 153 lbs. Express.
84 U 578 DL6MZ. *$17 Monthly*. **364.95**

System 5—Ultra-Deluxe 120-Watt Stereo System

A system to satisfy even the most critical hi-fi connoisseur. Yours for $76.20 less than the total cost of components purchased separately.
KNIGHT-KIT KG-895 SOLID-STATE STEREO AMPLIFIER KIT. Our finest stereo amplifier kit offers 120 watts for clean, lifelike stereo. Oiled walnut case. See page 10
GARRARD LAB 80 AUTOMATIC TURNTABLE. Features automatic cueing and indexing. Oiled walnut base. See page 164.
EMPIRE 888PE STEREO CARTRIDGE. Elliptical diamond needle for most faithful tracking. Pre-mounted. See page 170.
KNIGHT KN-2350A SPEAKER SYSTEMS. Deluxe 12″ 3-way acoustic suspension systems. See page 122.
With all connecting cables, instruction booklet. Shpg. wt., 162 lbs. Express.
84 U 579 DL6MZ. *$19 Monthly*. **429.95**

System 6—Supreme 120-Watt Stereo System

Each component is its manufacturer's best to assure finest in stereo listening pleasure and convenience. You save $123.20 off cost of components bought separately.
KNIGHT-KIT KG-895 SOLID-STATE STEREO AMPLIFIER KIT. Knight-kit's best! Big sound, all-transistor circuit, source indicator windows. Oiled walnut case. See page 10.
GARRARD LAB 80 AUTOMATIC TURNTABLE. Garrard's most advanced! Oiled walnut base. See page 164.
PICKERING V-15/AME-1 STEREO CARTRIDGE. Elliptical needle for best performance. Pre-mounted. See page 170.
KNIGHT KN-2380 SPEAKER SYSTEMS. Knight's finest 15″ 3-way systems. Floor model. See page 121.
With all connecting cables, instruction booklet. Shpg. wt., 173 lbs. Express.
84 U 580 DL6MZ. *$20 Monthly*. **479.95**

ystems Selected to Bring You Spectacular Stereo Sound

knight-kit

STEREO HI-FI SYSTEMS

SYSTEM 3

Save $47.30

$344⁹⁵

$17 monthly

SYSTEM 4

Save $51.20

$364⁹⁵

$17 monthly

SYSTEM 5

Save $76.20

$429⁹⁵

$19 monthly

SYSTEM 6

Save $123.20

$479⁹⁵

$20 monthly

Buy Your Knight-Kit Stereo System on Allied's Credit Fund Plan

knight-kit

STEREO HI-FI SYSTEMS

54-Watt Stereo Hi-Fi System

FEATURE KG-854 SOLID-STATE AMPLIFIER KIT

Save $28.35

$139 95

less case, base

$7 monthly

Custom 54-Watt Stereo Phono Kit System

Knight-Kit KG-854 54-Watt Stereo Amplifier Kit. Top-performing, solid-state unit. See p. 12.

Garrard Model 50 4-Speed Record Changer. Automatic or manual operation; counterbalanced tone arm. See p. 165.

Shure M44C Cartridge. Diamond needle. See p. 170.

2—Knight KN-822HC 12" 2-Way Speakers. 13-oz. magnets; 6⅜" deep; 25-13,000 cps response. See p. 133.

Cables, plugs and system booklet. Less amplifier case, (see p. 12); changer base, below. 43 lbs.

84 U 593 DL4MZ. *$7 Monthly.* Express..........**139.95**

ALTERNATE. *Save $33.75.* Above, plus KG-765 Solid-State Stereo Multiplex FM-AM Tuner Kit. Less case, (see inside front cover); changer base, below. 56 lbs.

84 U 594 DL5MZ. *$12 Monthly.* Express..........**229.50**

73 U 057 X. Walnut Changer Base. 3 lbs..............**3.90**

Save $36.20

$199 95

with case, base

$10 monthly

Deluxe 54-Watt Stereo Phono Kit System

Knight-Kit KG-854 54-Watt Stereo Amplifier Kit. Flawless solid-state sound; modular assembly. See p. 12.

Garrard AT60 4-Speed Automatic Turntable. 4-pole shaded motor; frictionless trip mechanism. See p. 165.

Pickering V-15/AT-2 Cartridge. Magnetic type; long-lasting diamond needle for minimum wear. See p. 170.

2—Knight KN-3005 3-Way Walnut Speaker Systems. 10" woofers, 6.8-oz. magnets; 6" midrange speakers; 3½" tweeters; 40 to 16,000 cps response; 12x22x8". See p. 127.

Cables, plugs and system booklet. Includes walnut amplifier case and walnut changer base. 90 lbs.

84 U 597 DL6MZ. *$10 Monthly.* Express..........**199.95**

ALTERNATE. *Save $44.10.* Above, plus KG-765 Solid-State Stereo Multiplex FM-AM Tuner Kit (see inside front cover) and walnut case. Wt., 107 lbs.

84 U 598 DL8MZ. *$15 Monthly.* Express..........**299.95**

Save $34.4

$169 95

less case, base

$9 monthly

Popular 54-Watt Stereo Phono Kit System

Knight-Kit KG-854 54-Watt Stereo Amplifier Kit. Ultra reliable, solid-state design. See p. 12.

Garrard AT60 4-Speed Automatic Turntable. Convenience c a changer with turntable precision. See p. 165.

Empire 888 Cartridge. Diamond needle. See p. 170.

2—Knight KN-830BHC 12" 3-Way Speakers. 13-oz. magnets compression tweeters; 25-18,000 cps. See p. 131.

Cables, plugs and system booklet. Less amplifier case, p 12; changer base, below. 55 lbs.

84 U 595 DL4MZ. *$9 Monthly.* Express..........**169.9**

ALTERNATE. *Save $39.85.* Above, plus KG-765 Solid-Stat Stereo Multiplex FM-AM Tuner Kit. Less case, (see insid front cover); changer base, below. 68 lbs.

84 U 596 DL5MZ. *$13 Monthly.* Express..........**259.5**

73 U 057 X. Walnut Changer Base. 3 lbs..............**3.9**

Save $39.2

$239 9

with case, base

$12 monthly

Supreme 54-Watt Stereo Phono Kit System

Knight-Kit KG-854 54-Watt Stereo Amplifier Kit. Solid-stat tonal beauty; striking styling. See p. 12.

Garrard A70 4-Speed Automatic Turntable. Balanced 6-lb platter; gentle pusher-type mechanism. See p. 164.

Shure M44C Cartridge. Magnetic; diamond needle for min mum record wear; supplied installed in head. See p. 17

2—Knight KN-3030K 3-Way Ready-to-Finish Walnut Speake System Kits. 12" woofers; 6" midrange speakers; 3½ tweeters; 35 to 17,000 cps; 14½x24x10". See p. 12

Cables, plugs and system booklet. Includes walnut ampli fier case, walnut changer base. 104 lbs.

84 U 599 DL6MZ. *$12 Monthly.* Express..........**239.9**

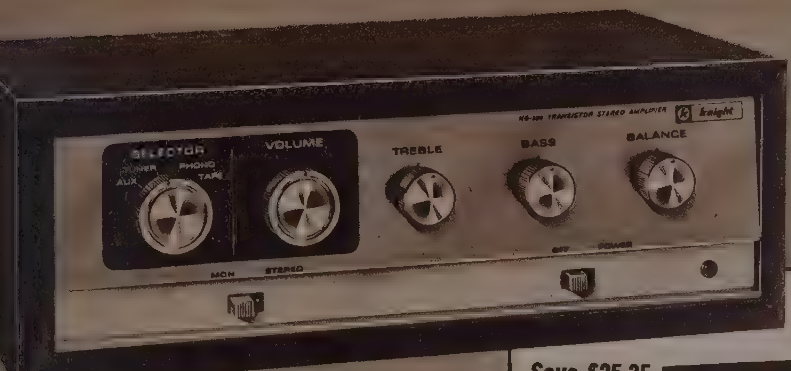
ALTERNATE SYSTEM. *Save $47.10.* Above, plus KG-76 Solid-State Stereo Multiplex FM-AM Tuner Kit (se inside front cover). Includes walnut case. Wt., 121 lbs

84 U 600 DL8MZ. *$16 Monthly.* Express..........**339.9**

Lowest-Cost Solid-State Kit!

TOP-VALUE KG-320 32-WATT STEREO AMPLIFIER

Amazing Value in Solid-State Amplifier Kit! Enjoy Fabulous Transistor Sound Today—at an Unbelievably Low Price!



Shown in Wood Case

KG-320 32-Watt Stereo Amplifier Kit

$59 95 less case

$5 monthly

- Deluxe 14-Transistor, 4-Diode Circuit
- Minimum Hum, Heat and Microphonics
- Extremely Compact, Only 2¾x10x8½"
- Direct Coupling—No Output Transformers or DC Blocking Capacitors

njoy a new experience in stereo listening pleasure at n amazing low price! The KG-320's 18-semiconductor ciruit (14 transistors and 4 diodes) utilizes all the magnifient developments of space-age audio technology to provide lear and dramatically different reproduction. Favorite ecords and tapes come "alive" with sound that's cleaner, nore sparkling and vibrant than ever before.

There are no tubes, no output transformers or DC blockng capacitors to limit frequency response. Virtually no um or extraneous noise. And, there's practically no heat leveloped—ends ventilation and placement problems. No varm-up time is required—turn on the amplifier and you ear music instantly. Extremely compact and stylish deign makes the KG-320 blend well with most any decor.

Has 5 pairs of stereo inputs including Tape Head; separatey ganged bass and treble controls; channel balance ontrol; master volume control; stereo-mono switch; 4-osition selector switch; power on-off switch; pilot light. Tape recording outputs unaffected by volume or tone conrols. 2 switched AC outlets on rear. Size, 2¾x10x8½". Extruded aluminum panel finished in Sierra Gold and charoal. With all parts, instructions. Less case, below. For 10-130 v., 60 cycle AC. Wt., 9 lbs.

3 U 601 MXW. *$5 Monthly*.......................**59.95**
3 U 016 MXW. Oiled Walnut Wood Case. 3 lbs.......**9.95**
3 U 017 MXW. Brown Metal Case. 2 lbs..............**4.95**

KG-320 SPECIFICATIONS

Rated Power Output: 32 watts IHF; 64 watts peak; 24 watts continuous sine wave. **Frequency Response:** ±1 db, 25 to 18,000 cps at full output. **Harmonic Distortion:** 1% at full output. **Intermodulation Distortion:** 1.5%. **Output Impedance:** each channel matches 8 or 16-ohm loads. **Hum and Noise:** −75 db. **Separation:** better than 40 db. **Bass and Treble Boost:** 10 db. **Bass and Treble Cut:** 16 db. **Power Consumption:** 10 watts with no signal. **Semiconductor Complement:** 10 small-signal and 4 power transistors, 4 diodes.

Custom Stereo Phono Systems

Save $25.35

$124 95

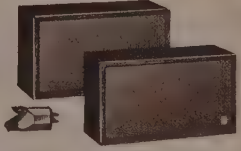
less case, base

$7 monthly

Alternate System

Save $28.20

$169 95 $9 monthly



Custom 32-Watt Stereo Phono Kit System

Knight-Kit KG-320 32-Watt Stereo Amplifier Kit. Top-notch, solid-state sound. Full description, left.

Garrard Model 50 4-Speed Record Changer. Automatic or manual operation; oversize turntable. See p. 165.

Pickering V-15/AT-2 Cartridge. Diamond. See p. 170.

2—Knight KN-822HC 12" 2-Way Speakers. 13-oz. magnets; 6⅜" deep; 25-13,000 cps response. See p. 133.

Cables, plugs and system booklet. Less amplifier case, left; changer base, below. 38 lbs.

84 U 601 DL4MZ. *$7 Monthly*. Express.....**124.95**
73 U 057 X. Walnut Changer Base. 3 lbs...........**3.90**

ALTERNATE SYSTEM. *Save $28.20* Above, but Knight KN-3005 3-Way Walnut Speaker Systems (see p. 127) in place of KN-822HC's, and Empire 888 Cartridge (see p. 170) in place of Pickering. 10" woofers, 6.8-oz. magnets; 6" midrange speakers; 3½" tweeters; 40 to 16,000 cps response; 12x22x8". With walnut amplifier case and changer base. 69 lbs.

84 U 602 DL6MZ. *$9 Monthly*. Express........**169.95**

knight-kit
STEREO HI-FI SYSTEMS

Deluxe 70-Watt Stereo Phono Systems with KG-870 Solid-State Amplifier Kit

SYSTEM 1

Save $74.20

$374.95

$18 monthly

SYSTEM 2

Save $59.20

$319.95

$16 monthly

SYSTEM 3

Save $56.20

$284.95

$15 monthly

SYSTEM 4

Save $49.20

$269.95

$14 monthly

KG-870 Kit Systems at Money-Saving Prices!

ystem 1—Supreme 70-Watt Stereo System

NIGHT-KIT KG-870 SOLID-STATE STEREO AMPLIFIER KIT. 70-vatts, all-transistor circuit, unparalleled enjoyment of tereo music! Oiled walnut case. See page 15.

ARRARD LAB 80 AUTOMATIC TURNTABLE. Garrard's finest! lawless record performance. Oiled walnut base, See p. 164.

MPIRE 888PE STEREO CARTRIDGE. Elliptical stylus for best eproduction. Pre-mounted. See page 170.

NIGHT KN-2350A SPEAKER SYSTEMS. Knight's best 12″ -way. Acoustic suspension. See page 122.

Vith all connecting cables, instruction booklet. Shpg. wt., 46 lbs. Express.

4 U 592 DL6MZ. *$18 Monthly* **374.95**

LTERNATE SYSTEM. Above, plus KG-765 Stereo FM-AM uner Kit and oiled walnut case. 163 lbs.

4 U 585 DL8MZ. *$20 Mo.* **Save $82.10** **474.95**

ystem 2—Ultra-Deluxe 70-Watt Stereo System

NIGHT-KIT KG-870 SOLID-STATE STEREO AMPLIFIER KIT. 70 vatts and all-transistor circuitry for brilliantly transparent nusic. Oiled walnut case. See page 15.

ARRARD A70 AUTOMATIC TURNTABLE. Many features for op record performance. Oiled walnut base. See page 164.

HURE M44C STEREO CARTRIDGE. Magnetic type with diamond needle. Pre-mounted in arm. See page 170.

NIGHT KN-2300A SPEAKER SYSTEMS. 12″ 3-way acoustic-uspension systems. Bookshelf type. See page 123.

Vith all connecting cables, instruction booklet. Shpg. wt., 31 lbs. Express.

4 U 590 DL6MZ. *$16 Monthly* **319.95**

LTERNATE SYSTEM. Above, plus KG-765 Stereo FM-AM uner Kit and oiled walnut case. 148 lbs.

4 U 591 DL8MZ. *$19 Mo.* **Save $67.10** **419.95**

System 3—Deluxe 70-Watt Stereo System

NIGHT-KIT KG-870 SOLID-STATE STEREO AMPLIFIER KIT. 35 vatts per channel of sparkling clean stereo music. All-ransistor circuitry. Oiled walnut case. See page 15.

ARRARD A70 AUTOMATIC TURNTABLE. Heavy oversize plater and deluxe pickup arm. Oiled walnut base. See page 164.

ICKERING V-15/AT-2 STEREO CARTRIDGE. Magnetic type. 5° diamond needle. Pre-mounted. See page 170.

NIGHT KN-2260K SPEAKER SYSTEM KITS. Easily assembled 2″ 3-way systems. For shelf or floor. See page 124.

Vith all connecting cables, instruction booklet. Shpg. wt., 25 lbs. Express.

4 U 588 DL6MZ. *$15 Monthly* **284.95**

LTERNATE SYSTEM. Above, plus KG-765 Stereo FM-AM uner Kit and oiled walnut case. 142 lbs.

4 U 589 DL8MZ. *$18 Mo.* **Save $64.10** **384.95**

System 4—Big Value 70-Watt Stereo System

NIGHT-KIT KG-870 SOLID-STATE STEREO AMPLIFIER KIT. 70-vatts and all-transistor circuitry for magnificently "live" nusic. Oiled walnut case. See page 15.

ARRARD A70 AUTOMATIC TURNTABLE. Heavy, oversize plater and deluxe arm. Oiled walnut base. See page 164.

HURE M44C STEREO CARTRIDGE. Magnetic type with diamond needle. Pre-mounted in arm. See page 170.

NIGHT KN-2330K SPEAKER SYSTEM KITS. Deluxe 12″ 3-way ystems, easily assembled. See page 125.

Vith all connecting cables, instruction booklet. Shpg. wt., 11 lbs. Express.

4 U 586 DL6MZ. *$14 Monthly* **269.95**

LTERNATE SYSTEM. Above, plus KG-765 Stereo FM-AM uner Kit and oiled walnut case. 128 lbs.

4 U 587 DL8MZ. *$17 Mo.* **Save $57.10** **369.95**

Save $36.20

$\$239^{95}$

$12 monthly

System 5—Low-Cost 70-Watt Stereo System

KNIGHT-KIT KG-870 SOLID-STATE STEREO AMPLIFIER KIT. 35 watts per channel. Oiled walnut case. See page 15.

GARRARD AT60. Oiled walnut base. See page 165.

EMPIRE 888 STEREO CARTRIDGE. See page 170.

KNIGHT KN-3030K SPEAKER SYSTEM KITS. See page 126.

All connecting cables, instructions. 97 lbs.

84 U 583 DL6MZ. *$12 Monthly* **239.95**

ALTERNATE SYSTEM. Above, plus KG-765 Stereo FM-AM Tuner Kit and oiled walnut case. 114 lbs. Express.

84 U 584 DL8MZ. *$16 Mo.* **Save $44.10** **339.95**

Save $34.45

$\$189^{95}$

$10 monthly

Amplifier and Changer Are Shown in Optional Walnut Case and Base. See pages 15 & 165.

System 6—70-Watt Custom Installation System

KNIGHT-KIT KG-870 SOLID-STATE STEREO AMPLIFIER KIT. 70 watts, all-transistor circuitry. Less case. See page 15.

GARRARD AT60 AUTOMATIC TURNTABLE. Less base. P. 165.

PICKERING V-15/AT-2 STEREO CARTRIDGE: See page 170.

KNIGHT KN-830B-HC SPEAKERS. See page 131.

All connecting cables, instructions. 56 lbs.

84 U 581 DL4MZ. *$10 Monthly* **189.95**

ALTERNATE SYSTEM. Above, plus KG-765 Stereo FM-AM Tuner Kit. Less case. Shpg. wt., 69 lbs.

84 U 582 DL5MZ. *$14 Mo.* **Save $39.85** **279.50**

knight-kit
STEREO HIGH-FIDELITY

Here's "Proof-Positive" Tha
Quality Stereo Isn't Costly!

OUR SENSATIONAL "STEREO TWINS" LOOK AND SOUND LIKE TWICE THE PRICE . . .

KG-250 STEREO AMPLIFIER
SELECTOR
AUX
TUNER REV
TUNER
PHONO REV
PHONO
AUX REV
PHONO
TUNER
AUX
BASS
TREBLE
VOLUME
AC OFF
knight

KG-250 Shown in Oiled Walnut Case

Model KG-250
24-Watt Stereo Amplifier Kit
Brings You True Hi-Fi Sound At Lowest Cost

$39.95 less case
$5 monthly

KG-50 AM-FM STEREO TUNER
SELECTOR
FM STEREO
FM
AM
TUNING
STEREO
AFC
OFF
ON
POWER
OFF
ON
knight

KG-50 Shown in Oiled Walnut Case

Model KG-50 Stereo
Multiplex FM-AM Tuner Kit Offers
Sparkling Stereo, Wideband FM, Sensitive AM

$64.95 less case
$5 monthly

Enjoy More of the Good Things—Use Your Allied Credit Fun

njoy Great Performances Along With Top Styling

KG-250 24-Watt Stereo Amplifier Kit

$39 95 less case

$5 monthly

Concentric Clutch-Type Control Varies Volume of One or Both Channels

Deluxe Front Panel of Solid, Extruded Brushed Aluminum

njoy true hi-fi sound with the finest 24-watt stereo amplifier kit u can buy at this low price! You get all these deluxe features: phisticated Knight-Kit styling that tastefully blends with any corating scheme; 12 clean watts (24 watts-peak) of IHF output wer on each channel from a powerful push-pull output stage with p-quality transformers; and simplified point-to-point wiring for e fastest and easiest assembly imaginable. Offers built-in RIAA ualized preamplifiers for magnetic cartridges, with DC-operated be filaments for minimum hum; separate boost and cut-type bass d treble controls for both channels; and a selector switch that stantly chooses stereo, stereo reverse, or monophonic modes, as ll as phono, tuner, or auxiliary inputs. Concentric, clutch-type lume control varies both channels separately or simultaneously—mpensates for differences in inputs or speakers used. 4⅛x13⅞x ½". With detailed, step-by-step instructions. Less case, below. For 0-130 v., 60 cycle AC. Wt., 13 lbs.

U 317 MXW. *$5 Monthly*............................**39.95**

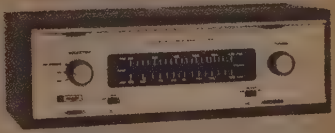
U 030 MXW. Oiled Walnut Wood Case. Shpg. wt., 4 lbs......**9.95**

U 031 MXW. Metal Case. Brown finish. 4 lbs...............**4.95**

KG-250 AMPLIFIER SPECIFICATIONS

Rated Power Output: 24 watts IHF; 48 watts peak; 20 watts sine wave (10 watts per channel).
Frequency Response: ±1 db, 30-15,000 cps at rated power.
Hum and Noise: Tuner, −65 db; Magnetic Phono, −50 db (both measurements made at rated power output).
Inputs and Sensitivity: Magnetic Phono, 6 millivolts; Ceramic Phono, 400 millivolts; Tuner, 1 volt; Auxiliary, 1 volt.
Output Impedances: 4, 8, and 16 ohms per channel.
Feedback: 13 db negative for minimum distortion.
Channel Separation: better than 45 db.
Tubes: 2—ECC83/12AX7, 4—ECL82, 1—EZ81/6CA4 rectifier.

Save $5.00 When You Buy These 2 Outstanding Kits Together!



KG-50 Stereo Tuner/KG-250 Stereo Amplifier Kit Package

Save $5.00

$104.90 Value

$99 90 less cases

$5 monthly

Money-saving matching pair! The KG-50 offers you thrilling stereo multiplex FM, conventional wideband high-fidelity FM, plus favorite AM programs. Full description below. KG-250 has 24-watts IHF output (48-watts peak) for plenty of room-filling sound. Full description at left. Less walnut or metal cases, listed below each unit. Shpg. wt., 25 lbs.

85 U 010AL2MXW. *$5 Monthly*...**99.90**

Model KG-50 Stereo Multiplex FM-AM Tuner Kit

$64 95 less case

$5 monthly

DELUXE FEATURES!

ctory Assembled FM Front-d Is Precision Aligned for ak Sensitivity and Top Sound

nel Indicator Light Flashes n Immediately Whenever a ereo FM Program Is Received

Our lowest cost stereo tuner kit brings you high-fidelity performance at a rock-bottom price! You get panoramic stereo FM that literally surrounds you with fabulous sound, superb wideband conventional FM with pleasing music and drama, plus sensitive reception of the news, sports, weather and popular music offered on AM. Entire FM front-end is factory assembled and aligned for peak sensitivity. IF and multiplex coils are pre-aligned, too. Deluxe "exclamation point" tuning indicator pinpoints FM and FM stereo stations. Front-panel stereo indicator light flashes on whenever a stereo FM program is received.

Other features: FM RF stage; wideband ratio detector; AFC for rock-stable, drift-free FM; separation control; low-impedance cathode follower outputs for long cable runs to amplifier without losses; recording outputs with 38-kc filters for flawless stereo taping; and effortless flywheel tuning. Solid, extruded aluminum panel has platinum-gold finish. 4⅛x13⅞x7¾". With detailed, step-by-step instructions. Less case, below. For 110-130 v., 60 cycle AC. Shpg. wt., 12 lbs.

83 U 720 MXW. *$5 Monthly*.........**64.95**

83 U 018 MXW. Oiled Walnut Case. 4 lbs. **9.95**

83 U 019 MXW. Brown Metal Case. 3 lbs. **4.95**

KG-50 TUNER SPECIFICATIONS

FM SECTION. Tuning Range: 88 to 108 mc. **Usable IHF Sensitivity:** 3 μv for 30 db quieting; 2 μv for 20 db. **Intermediate Frequency:** 10.7 mc. **IF and Detector Bandwidth:** 200 kc, at 6 db down. **Hum and Noise:** 50 db below 1 volt. **Image Rejection:** 40 db. **Antenna:** 300-ohm twin line. **Multiplex Channel Separation:** 30 db. **Response:** ±1 db, 50 to 15,000 cps. **AM SECTION. Tuning Range:** 550 to 1600 kc. **Sensitivity:** 3 μv for 10 db S/N ratio. **Intermediate Frequency:** 455 kc. **IF Bandwidth:** 10 kc. **Hum and Noise:** 40 db below 1 volt. **Image Rejection:** 40 db. **Antenna:** built-in directional ferrite loopstick. **GENERAL. Power Consumption:** 40 watts. **Tubes:** 6C9, 6BE6, 6HR6, 6HS6, 6BN8, 6AG11 Compactron, 2—12AU7, also 6X4 rectifier and DM70 tuning indicator.

Budget Stereo Hi-Fi System

LOW-COST CUSTOM INSTALLATION SYSTE

Knight-Kit Stereo Systems Offer Peak Value

Compare! Knight-Kit components give you more features for your dollar than any other components in their price range.

Knight-Kit Stereo Systems Offer Big Saving

You save twice: off the cost of factory-assembled component and off the total cost of components bought separately.

THESE SYSTEMS FOR CUSTOM INSTALLATION ARE PRICED LESS AMPLIFIER CASE AND CHANGER BASE

Lowest Cost Custom System

Save $7.85 **$69 95** $5 monthly

Inexpensive system for true stereo hi-fi at big savings off total cost of components bought separately.

KNIGHT-KIT KG-250 STEREO AMPLIFIER KIT. Easy to assemble. Features 24-watt output, full stereo/mono control complement. See p. 25.

ALLIED MODEL 67 CHANGER. 4-speed automatic featuring 9″ platter, slimline pickup arm and ceramic stereo cartridge with dual synthetic sapphire needles. See p. 166

2—KNIGHT KN-809A SPEAKERS. 8″ 2-way. 3⁵⁄₁₆″ deep—perfect for custom cabinets, thin enclosures. See p. 132.

With all connecting cables, instructions. Less amplifier case (see p. 25) and changer base (below). Shpg. wt., 35 lbs. Express.

84 U 603 DL4MZ. *$5 Monthly*..**69.95**

95 U 610 X. Oiled Walnut Wood Base. For changer. 3 lbs..............**3.95**

ALTERNATE. *Save $13.25.* Above, plus KG-50 Stereo FM-AM Tuner Kit. Less case (p. 25). 47 lbs.

84 U 604 DL5MZ. *$7 Monthly*..**129.50**

Value-Packed Custom System

Save $22.16 **$99 95** $5 monthly

Wide-range system offers fine reproduction and sizeable savings off individual component costs.

KNIGHT-KIT KG-250 STEREO AMPLIFIER KIT. Easy to assemble. Features 24-watt output, full stereo/mono control complement. See p. 25.

GARRARD MODEL 50 AUTOMATIC TURNTABLE. 4-speeds, oversize platter, balanced pickup arm. See p. 165.

SHURE M3D STEREO CARTRIDGE: diamond needle. Mounted. See p. 170.

2—KNIGHT KN-822HC SPEAKERS. 12″ 2-way. 6⅜″ deep. 13-oz. magnet, 1¼″ voice coil. See p. 133.

With all connecting cables, instructions. Less amplifier case (see p. 25) and changer base (below). Shpg. wt., 42 lbs. Express.

84 U 605 DL4MZ. *$5 Monthly*..**99.95**

73 U 057 X. Oiled Walnut Wood Base. For turntable. 3 lbs..............**3.90**

ALTERNATE. *Save $27.56.* Above, plus KG-50 Stereo FM-AM Tuner Kit. Less case (p. 25). 54 lbs.

84 U 606 DL5MZ. *$8 Monthly*..**159.50**

Deluxe 24-Watt Custom Syste

Save $30.90 **$119 95** $6 monthl

High quality, low price and big syst savings off total cost of compone purchased separately.

KNIGHT-KIT KG-250 STEREO AMPLI KIT. Easy to assemble. Features watt output, full stereo/mono con complement. See p. 25.

KNIGHT KN-990A CHANGER. 4-sp automatic; oversize 11″ platter; anced pickup arm. See p. 166

SHURE M44C STEREO CARTRIDGE. D mond needle. Mounted. See p.

2—KNIGHT KN-830BHC SPEAKERS. 3-way. Extended response. 6⅜″ d 13-oz. magnet. See p. 131.

With all connecting cables, instr tions. Less amplifier case (see p. and changer base (below). Shpg. 53 lbs. Express.

84 U 607 DL4MZ. *$6 Monthly*.**119.**

95 U 457 X. Oiled Walnut Wood B For changer. 4 lbs..............

ALTERNATE. *Save $36.30.* Above, KG-50 Stereo FM-AM Tuner Less case (see p. 25). 65 lbs.

84 U 608 DL5MZ. *$9 Monthly*..**179**

Amplifier and Tuner Cases Are Listed on Page

eaturing KG-250 24-Watt Stereo Amplifier Kit

OOKSHELF STEREO PHONO SYSTEMS SELECTED FOR QUALITY AND ECONOMY

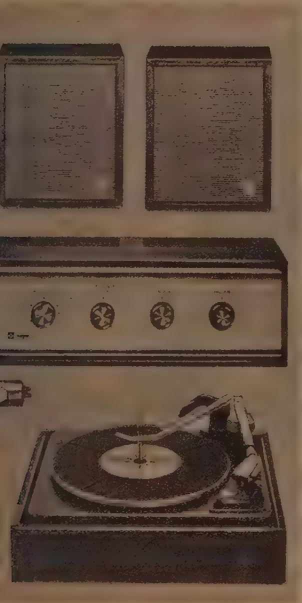
Knight-Kit Stereo Systems Offer Extra Fun

asy-to-assemble Knight-Kit components give you enjoyable
ours of kit assembly as well as years of listening pleasure.

Matching Knight-Kit Stereo Tuner Available

Alternate Knight-Kit systems, featuring KG-50 stereo FM-AM tuner kit, add another dimension to your home music center.

PRICES OF THESE SHELF SYSTEMS INCLUDE SPEAKER ENCLOSURES, AMPLIFIER CASE AND CHANGER BASE



us-Value 24-Watt Shelf System

Save
22.20 **$135.95** $7 monthly

onomical shelf system delivers ex-
ing stereo sound—and savings off
lividual component costs.
IGHT-KIT KG-250 STEREO AMPLIFIER
. Easy to assemble. Features 24-
tt output, full stereo/mono control
nplement 30-15,000 cps response.
luxe oiled walnut case. See p. 25.
ARRARD MODEL 50 AUTOMATIC TURN-
BLE. 4-speeds, oversize platter, bal-
ced pickup arm with stylus pressure
uge. Oiled walnut base. See p. 165.
PIRE 888 STEREO CARTRIDGE. Dia-
ond needle. Mounted. See p. 170.
-KNIGHT KN-3002 SPEAKER SYS-
MS. 8" 2-way systems. 8" woofer and
½" tweeter. Shelf-type. See p. 127.
th all connecting cables, instruc-
ns. 67 lbs. Express.
U 609 DL6MZ. *$7 Monthly.* **135.95**

ALTERNATE SYSTEM is printed as:
TERNATE SYSTEM. *Save $28.10.*
ove, plus Knight-Kit KG-50 Stereo
ultiplex FM-AM Tuner Kit and
ed walnut wood case. Provides
wless reception. 83 lbs. Express.
U 610 DL8MZ. *$11 Monthly.* **204.95**

Deluxe 24-Watt Shelf System

Save $31.70 **$169.95** $9 monthly

Gives you great performance and double savings. You save on low kit prices and single low system price.

KNIGHT-KIT KG-250 STEREO AMPLIFIER KIT. Easy to assemble. Features 24-watt output, full stereo/mono control, 30-15,000 cps response. Deluxe oiled walnut case. See p. 25.

KNIGHT KN-990A CHANGER. 4-speed automatic featuring oversize 11" platter and counterweighted tubular pickup arm. Oiled walnut base. See p. 166.

PICKERING V-15/AT-2 CARTRIDGE. Magnetic; diamond needle. See p. 170.

2—KNIGHT KN-3030K SPEAKER SYSTEM KITS. Easy-to-assemble 12" 3-way systems, book-shelf-type. See p. 126. With all connecting cables, instructions. 95 lbs. Express.

84 U 611 DL6MZ. *$9 Monthly.* **169.95**

ALTERNATE SYSTEM. *Save $37.60.* Above, plus Knight-Kit KG-50 Stereo Multiplex FM-AM Tuner Kit and oiled walnut wood case. Sparkling FM-AM reception. 111 lbs. Express.

84 U 612 DL8MZ. *$12 Monthly.* **238.95**

Our Best 24-Watt Shelf System

Save $41.20 **$189.95** $10 monthly

Superb stereo phono performance at huge savings off total cost of components purchased separately.

KNIGHT-KIT KG-250 STEREO AMPLIFIER KIT. Easy to assemble. Features 24-watt output, full stereo/mono control, 30-15,000 cps response, deluxe oiled walnut case. See p. 25.

GARRARD AT60 AUTOMATIC TURNTABLE. 4-speeds; oversize, balanced platter; counterweighted tubular pickup arm. Oiled walnut base. See p. 165.

SHURE M44C STEREO CARTRIDGE. Diamond needle. Mounted. See p. 170.

2—KNIGHT KN-2330K SPEAKER SYSTEM KITS. Easy-to assemble 12" 3-way acoustic suspension systems. See p. 125. With all connecting cables, instructions. 101 lbs. Express.

84 U 613 DL6MZ. *$10 Monthly.* **189.95**

ALTERNATE SYSTEM. *Save $47.10.* Above, plus Knight-Kit KG-50 Stereo Multiplex FM-AM Tuner Kit and oiled walnut case. Perfect stereo/mono radio. Wt., 117 lbs. Express.

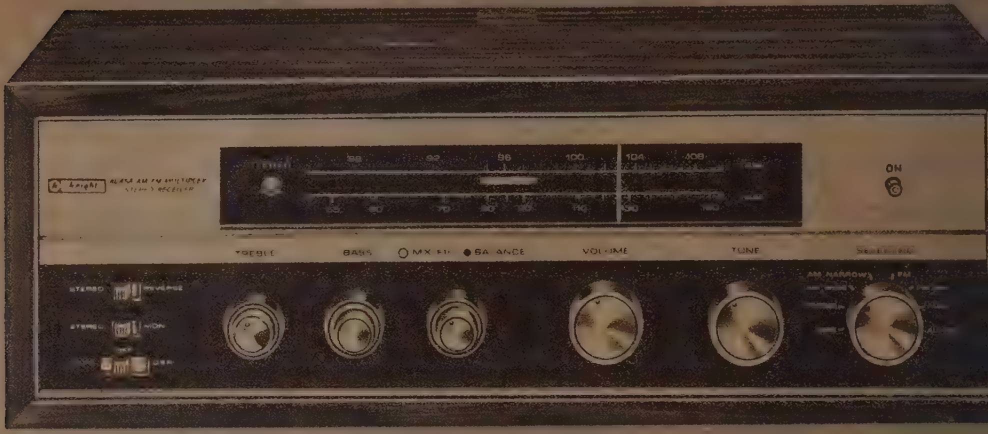
84 U 614 DL8MZ. *$13 Monthly.* **258.95**

knight-kit

STEREO HIGH-FIDELITY

KU-45A—Beautiful Listenin from Every Music Source!

DELUXE ALL-IN-ONE KIT HAS 39-WATT STEREO AMPLIFIER, DUAL PREAM WITH CONTROLS, STEREO MULTIPLEX AND WIDEBAND FM, SENSITIVE AM



Shown in Wood C

KU-45A 39-Watt Stereo Multiplex FM-AM Receiver Kit

$129.95 less case

$7 monthly

DELUXE CUSTOM FEATURES!

Pushbutton Off-On Switch Eliminates Resetting Volume when Unit Is Turned "On"

Bar-Type Tuning "Eye" Offers Pin-Point Tuning Accuracy in Selecting Both FM and AM Stations

FM Stereo Indicator Flashes On Whenever You're Tuned to a Multiplex Stereocast

KU-45A SPECIFICATIONS

Rated Power Output: 39 watts IHF; 78 watts peak; 32 watts continuous sine wave. **Frequency Response:** ±1 db, 30 to 16,000 cps at rated output. **Harmonic Distortion:** 1% at full output. **Hum and Noise:** better than 75 db below rated output in Tuner position. **Output Impedance:** 4, 8, and 16 ohms each channel; 8 and 16 ohms center channel for third or extension speaker. **IHF FM Sensitivity:** 2.5 μv for 30 db quieting. **Bandwidth:** 200 kc at 3 db down. **Image Rejection:** 60 db. **Multiplex Channel Separation:** 30 db. **AM Sensitivity:** 3 μv for 10 db S/N ratio. **AM Response:** Wide, 20-10,000 cps (6 db down at 6.5 kc); Narrow, 20-7,000 cps (6 db down at 3.5 kc). **Tubes:** 19 plus tuning eye and rectifier.

- Factory Assembled and Aligned FM Front-End for Easy Assemb
- AFC and DSR for Drift-Free, Undistorted Stereo and Conventional
- Tapped-Screen Linear Push-Pull Output Stage for Top Sound Qua
- Attractive Extruded-Aluminum Panel in Satin Gold and Mocha Bro

Get double satisfaction first by building and then enjoying y own stereo receiver. The KU-45A is priced right and has ev needed feature to make it the perfect choice as the "heart" o great sounding stereo music system. On a single chassis you g top-performing 39-watt (78-watt peak) stereo amplifier; d preamps with full set of controls, inputs and outputs; wideba FM tuner with stable multiplex circuitry and stereo indica light; and sensitive AM section with a choice of wide or narr bandwidth. Add only speakers and stereo record changer (and tape transport) for deluxe home entertainment.

FM section highlights: Automatic Frequency Control for stal "lock-in" tuning; Dynamic Sideband Regulation for distorti free reception; preassembled and aligned FM front-end for e assembly without any critical adjustments; and precision multip circuitry with automatic stereo indicator light. AM section exceptional pull-in power plus a choice of wide (hi-fi) bandwid or narrow (distant reception) bandwidth. Bar-type tuning "e for both FM and AM station selection.

Tape Head, Magnetic and Auxiliary inputs; tape recorder outp unaffected by volume or tone; center channel output for third remote speaker. Has AM loopstick and FM folded-dipole ant nas. 4¾x16½x13". All parts and instructions. Less case, bel For 110-130 v., 60 cycle AC. Wt., 25 lbs.

83 U 752 MUW. *$7 Monthly*............................**129.**

83 U 021 MXW. Oiled Walnut Wood Case. Wt., 6 lbs.........**14**

83 U 646 MXW. Beige Finish Metal Case. Wt., 4 lbs...........**6**

U-45A 39-Watt Stereo Radio/Phono Kit Systems

RSATILE KU-45A AUDIO-CENTER SYSTEMS

npact and distinctively styled . . . unlimited placement possi-
ies . . . full 39 watts of audio power . . . brilliant artistry of
eo records . . . dazzling beauty of both stereo and conven-
al FM . . . enjoyable music, news and sports on AM . . .

Alternate
Speakers

p-Value Stereo Radio/Phono Kit System

Save
46.70

$209^95
$11 monthly

Includes Walnut Receiver Case and Changer Base

at sound, striking styling! Quality system offers out-
nding record reproduction, amazing FM stereo, plus
notch conventional wideband FM and AM reception.

**GHT-KIT KU-45A 39-WATT STEREO MULTIPLEX FM-AM
EIVER KIT.** All-in-one "audio center" for complete control
ll functions and modes. See facing page.

GHT KN-990A 4-SPEED STEREO RECORD CHANGER. Fully
omatic; 4-pole motor; oversize turntable; lightweight
ular tone arm; handles records gently. See p 120.

KERING V-15/AT-2 STEREO CARTRIDGE. Magnetic type,
n long-lasting diamond needle for minimum record
r. Supplied mounted in plug-in head. See p. 170.

GHT KN-3002 2-WAY WALNUT SPEAKER SYSTEMS. 8"
ofer with 6-oz. magnet; 3½" cone tweeter with 1.47-oz.
gnet; 50-15,000 cps; 12⅜x15x9". See p. 127.

nplete with all required cables and plugs, plus instruc-
s and system booklet. Includes walnut receiver case
walnut changer base. 83 lbs.
J 615 DL6MZ. *$11 Monthly.* Express. **209.95**

ERNATE SYSTEM. Save $51.70. Above, but Knight KN-
0K 3-Way Walnut Speaker System Kits (see p. 126) in
e of KN-3002's. 12" woofers with 10-oz. magnets; 6"
range speakers with 3-oz. magnets; 3½" tweeters; 35 to
00 cps; 14½x24x10". 109 lbs.
J 616 DL6MZ. *$13 Monthly.* Express. **244.95**

MORE FOR YOUR STEREO SYSTEM DOLLAR

You always get perfectly matched and balanced components in Knight-Kit stereo music systems. All are carefully selected by our audio experts for value and performance. And, you get big cash savings off the cost of components purchased separately.

Alternate
Speakers

Deluxe Stereo Radio/Phono Kit System

Save
$53.20

$274^95
$14 monthly

Includes Walnut Receiver Case and Changer Base

Deluxe components for magnificent performance! Enjoy full-fidelity stereo from all your records and FM, plus superb wideband conventional FM and sensitive AM.

KNIGHT-KIT KU-45A 39-WATT STEREO MULTIPLEX FM-AM RECEIVER KIT. Compact, distinctively styled receiver, amplifier and preamp—all on 1 chassis. See facing page.

GARRARD AT60 4-SPEED AUTOMATIC TURNTABLE. Heavy-duty motor; balanced tone arm; combines record changer convenience with turntable performance. See p. 165.

EMPIRE 888 STEREO CARTRIDGE. Magnetic; diamond needle for long life. Mounted in plug-in head. See p. 170.

KNIGHT KN-2330K 3-WAY WALNUT SPEAKER SYSTEM KITS. 12" woofers feature "cloth roll" suspension, big 10-oz. magnets; 8" midrange speakers; 3½" tweeters; 30-18,000 cps; 25x17x8". See p. 125.

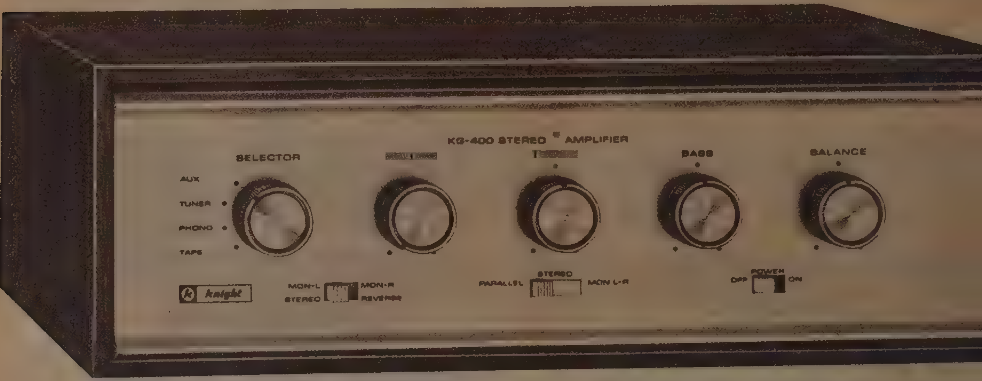
Complete with all required cables and plugs, plus instructions and system booklet. Includes walnut receiver case and walnut changer base. 113 lbs.
84 U 617 DL6MZ. *$14 Monthly.* Express. **274.95**

ALTERNATE SYSTEM. Save $58.20. Above, but Knight KN-2260K 3-Way Walnut Speaker System Kits (see p. 124) in place of KN-2330K's. 12" high-compliance woofers, ¾-lb. magnets; 8" midranges, 10-oz. magnets; horn tweeters; 30-20,000 cps; 17x25x8". 129 lbs.
84 U 618 DL6MZ. *$15 Monthly.* Express. **289.95**

knight-kit

STEREO HIGH-FIDELITY

Best Looking, Best Soundin
Amplifier in Its Price Class



KG-400 in Optional Oiled Walnut Case

Deluxe 39-Watt Stereo Phono Kit Systems

Alternate Speakers

Save $35.90

$134.95

less case and base

$7 monthly

KNIGHT-KIT KG-400 39-WATT STEREO AMPLIFIER KIT. Great sound, great appearance. Described at right.

KNIGHT KN-990A 4-SPEED CHANGER. See p. 166.

SHURE M44C CARTRIDGE. Diamond stylus. See p. 170.

KNIGHT KN-830BHC 12″ 3-WAY SPEAKERS. 13 oz. magnet; 6⅜″ deep; 25-18,000 cps. See p. 131.

All cables, plugs, system booklet. Less amplifier case, right; changer base, below. 54 lbs.

84 U 619 DL4MZ. *$7 Monthly.* Express. **134.95**

95 U 457 X. Walnut Changer Base. 4 lbs. **3.95**

ALTERNATE SYSTEM. Save $40.70. Above, with Knight KN-3005 3-Way Speaker Systems (see p. 127) in place of KN-830BHC's. 10″ woofer; 6″ midrange; 3½″ tweeter; 40-16,000 cps. 12x22x8″. With walnut amplifier case and changer base. 82 lbs.

84 U 620 DL6MZ. *$8 Monthly.* Express. **159.95**

Extruded Aluminum Panel Finished in Platinum Gold

Ganged Bass and Treble Controls for Tone Adjustments

DC on All Prea
Tube Filaments
Minimum Hu

KG-400 39-Watt Stereo Amplifier Ki

$59.95 less [illegible]

$5 monthly

- Balance Control for Exact Stereo Ef
- Center Channel Output for Third Spec
- Tape Head Inputs Have NAB Equaliza
- Tape Outputs Unaffected by Level or T
- Switch Parallels Channels for Mono Us

A remarkable value by any standard of comparison, KG-400 represents an outstanding achievement in a do yourself stereo amplifier. Offers strikingly pure sou reproduction, ease of assembly, and ample power for m speaker systems. Fully integrated preamp circuit provi precise RIAA equalization for any magnetic cartric plus inputs for ceramic cartridge, tuner, tape head auxiliary. Has DC-heated tube filaments for minum h Full set of controls gives you total command of stereo monophonic sources. Slide switch parallels channels w playing monophonic material for greatly improved so quality. Tape recorder outputs unaffected by volume tone control settings. Size, 4⅛x13⅞x11¾″. With all pa tubes and instructions. Less case, below. For 110-130 60 cycle AC. 18 lbs.

83 U 413 MUW. *$5 Monthly.* . . . . **59.**

83 U 023 MXW. Oiled Walnut Wood Case. 5 lbs. **1**

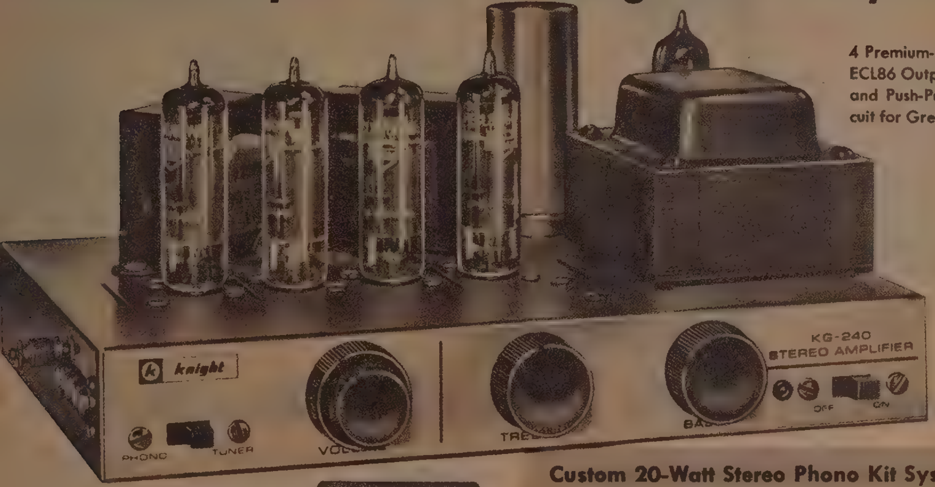
83 U 024 MXW. Brown Metal Case. 3 lbs. . . . .

KG-400 SPECIFICATIONS

Rated Power Output: 39 watts IHF; 78 watts peak; 3 watts continuous sine wave. **Response:** ±1 db, 30 t 16,000 cps at full power. **Hum and Noise:** Tuner, Ceramic Phono and Auxiliary Inputs, better than 75 d below full output; Magnetic, better than 52 db Tape Head, better than 45 db. **Sensitivity:** Magneti and Tape Head, 2 mv; Ceramic, 150 mv; Tuner, 20 mv; Auxiliary, 500 mv. **Tubes:** 1—7025; 5—ECC83 12AX7; 4—7189; 1—GZ34/5AR4 rectifier.

Your Hi-Fi Dollar Buys More When You Buy a Knight

Our Lowest-Cost Stereo Amplifier Kit Gives You 20-Watts Output Plus Full-Range Hi-Fi Response!



4 Premium-Quality ECL86 Output Tubes and Push-Pull Circuit for Great Sound

An Optional Perforated Metal Cover Is Available for Open or Shelf-Mounting the KG-240. Has Attractive Gray Finish.

KG-240 20-Watt Stereo Amplifier Kit

$27.95 less cover
$5 monthly

- Ideal for Economy Stereo Music Systems
- 10 Watts Per Channel IHF Music Power
- Stereo Inputs for Tuner, Ceramic Phono
- Ganged Bass and Treble Tone Controls
- Dual-Concentric Volume/Balance Control

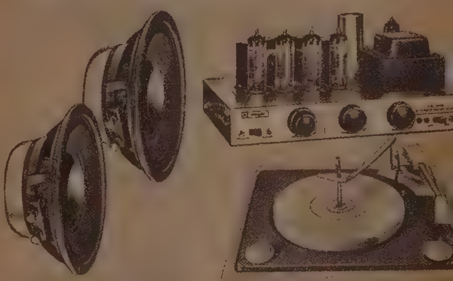
True music lover's bargain! This top-performing amplifier kit provides 10 watts per channel IHF music power—more than adequate for most homes, basements or rumpus rooms. Heartily recommended for use in an economy stereo music system. Has two pairs of stereo inputs to accommodate tuner and ceramic phono, selected by front-panel switch. Ganged bass and treble controls allow accurate tonal adjustments; convenient dual-concentric volume control for fast and easy channel balancing. Premium-quality ECL86 output tubes in push-pull circuitry provide plenty of distortion-free, high-fidelity sound. AC convenience outlet on rear of chassis. Fused, transformer-operated power supply. 5x10x7″. Platinum bronze, with white escutcheon, black knobs and chrome trim. With all parts, detailed instructions. Less cover, below. For 110-130 v., 60 cycle AC. Wt., 11 lbs.

83 U 602 MXW. *$5 Monthly*.................... **27.95**
83 U 020 MXW. Gray Metal Cover. Perforated. 2 lbs... **3.95**

KG-240 SPECIFICATIONS

Rated Power Output: 20 watts IHF; 40 watts peak. 16 watts continuous sine wave. **Frequency Response:** ±1½ db, 35 to 15,000 cps. **Harmonic Distortion:** less than 1.5% at 20 watts. **Hum and Noise:** 60 db below 20 watts. **Sensitivity for Rated Output:** ½ volt, Ceramic Phono or Tuner input. **Separation:** 35 db. **Treble Cut:** 10 db at 15 kc. **Bass Boost:** 10 db at 100 cps. **Output Impedance:** 8 and 16 ohms. **Tube Complement:** four ECL86; one EZ81/6CA4 rectifier.

Custom 20-Watt Stereo Phono Kit Systems



Alternate Speakers

Save $5.85
$59.95
less cover and base
$5 monthly

KNIGHT-KIT KG-240 20-WATT STEREO AMPLIFIER KIT. Full-range response; described at left.

ALLIED "67" 4-SPEED RECORD CHANGER. Automatic; has ceramic stereo turnover cartridge with dual synthetic sapphire needles See p. 166.

KNIGHT KN-809A 8″ SPEAKERS. 8″ woofer; whizzer cone; 3⁵⁄₁₆″ deep; 50-13,000 cps. See p. 132.

All cables, plugs, system booklet. Less amplifier cover, left; changer base, below. 31 lbs.

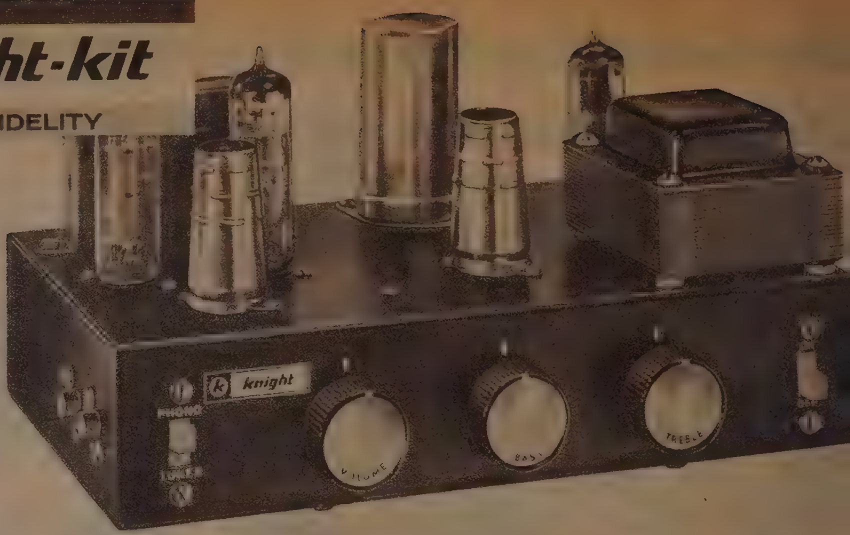
84 U 621 DL4MZ. *$5 Monthly*. Express...... **59.95**

ALTERNATE SYSTEM. Save $6.40. Above, but Knight KN-830BHC 12″ 3-Way Speakers (see p. 131) in place of KN-809A's. 13-oz. magnet; 6⅜″ deep; tweeter control; 25-18,000 cps. 45 lbs.

84 U 622 DL4MZ. *$5 Monthly*. Express...... **86.50**
95 U 610 X. Walnut Changer Base. 3 lbs........ **3.95**

knight-kit

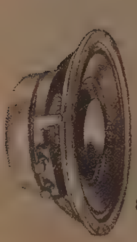
HIGH FIDELITY



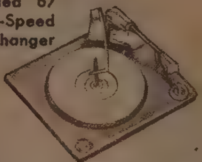
KM-15
Amplifier Kit
hown in Optional
Gray Metal Cover

Low Cost KM-15 12-Watt Hi-Fi Amplifier Kit

Complete Hi-Fi Phono System For Custom Installation



KN-809A
8″ 2-Way
Speaker



Allied "67"
4-Speed
Changer

Complete System

$\$45^{95}$ $5 monthly

Includes: **Knight-Kit KM-15 12-Watt Hi-Fi Amplifier Kit (less case); Allied "67" 4-Speed Record Changer with Cartridge (less base); Knight KN-809A 8″ 2-Way Hi-Fi Speaker.** Plus all connecting cables. Changer mixes 10″ and 12″ records of same speed; has automatic shut-off and ceramic cartridge with two synthetic sapphire needles. Speaker has 8″ woofer with whizzer cone, 10-oz. magnet. Mtg. depth, $3\frac{5}{16}$″. Less amplifier cover, at right; changer base, below. 25 lbs. Express.

84 U 561 DL3MZW. *$5 Monthly*..............**45.95**

95 U 610 MX. Wood Changer Base. Handsome oiled walnut finish. Shpg. wt., 5 lbs..................**3.95**

Alternate Shelf-Type System

$\$56^{95}$ $5 monthly

With Knight KN-3002 2-Way Speaker System

Above system, but with KN-3002 2-Way Speaker System instead of KN-809A. 8″ woofer, 3½ tweeter. 50-15,000 cps. 12⅜x15x9″. Oiled walnut. Less amplifier cover, changer base. 37 lbs.

84 U 562 DL3MZW. *$5 Monthly.* Express......**56.95**

$\$19^{95}$ less case

$5 monthly

- Equalized Magnetic and Tuner Inputs
- Push-Pull Output With EL-84 Tubes
- Exceptionally Low Distortion and Noise
- Separate Bass and Treble Controls
- Great for Hi-Fi or 2nd Stereo Channel

A great opportunity to share the rewarding enjoyment of several pleasurable hours in the relaxing evening pastime of kit-building—then settle back for the wonderful enjoyment of years of hi-fi listening. The popular KM-15 works great as the heart of a low-cost home music system, or as an "add-on" second channel to convert your present system to rich stereo. Priced so low, it's a fine choice as part of a hi-fi system for the recreation room, or as the main component of a system that the children can call their own.

Expertly designed circuit features premium-quality EL-84 tubes in push-pull output for smooth, clean hi-fi response over the entire audio range. 15 db of inverse feedback contributes to its low distortion, while hum and noise are reduced to the vanishing point. Has built-in equalized preamp for use with magnetic phono cartridges, high-level input for tuner or ceramic cartridge sources. Separate bass and treble controls provide complete control of tonal color. Output terminals for quickly connecting any popular 4, 8 or 16-ohm speaker.

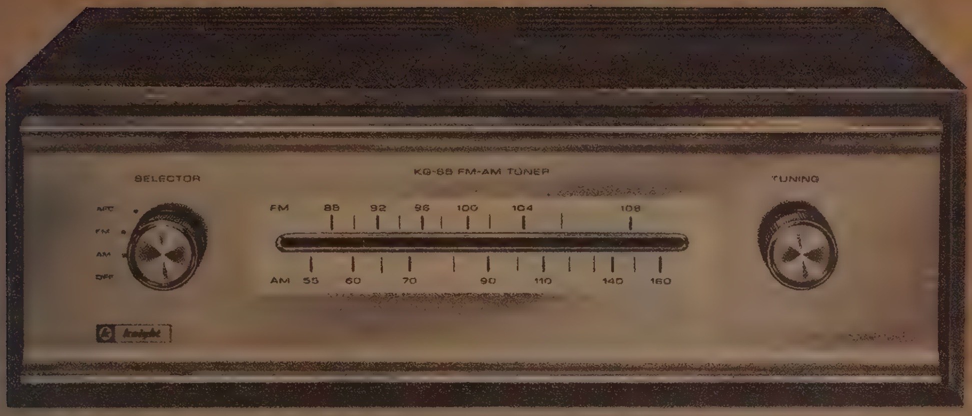
Has three operating controls: Volume, Bass and Treble; two switches: Phono/Tuner, and On-Off. Size, 5x9½x6″. Jet black chassis. With all parts, wire, solder and detailed instructions. Less metal cover, below. For 110-130 v., 60 cycle AC. Shpg. wt., 8 lbs.

83 U 784 MW. *$5 Monthly*...........................**19.95**

83 U 783 MW. Metal Cover for KM-15. French gray perforated metal with chrome trim. Wt., 2 lbs...............**3.95**

KM-15 SPECIFICATIONS

Power Output: 12 watts continuous sine wave, 14 watts IHF music power, 28 watts peak. **Response:** ±1.5 db, 30-15,000 cps. **Harmonic Distortion:** Less than 1%. **Hum and Noise:** Tuner, −65 db; Magnetic Phono, −45 db. **Sensitivity:** Magnetic Phono, 5 mv; Tuner, 1 v. **Tube Complement:** 2—ECC83/12AX7, 2—EL84/6BQ5A, 1—EZ81/6CA4 rectifier.



Shown in Optional Oiled Walnut Case

Bargain-Priced KG-65 Hi-Fi FM-AM Tuner Kit

$49.95 less case

$5 monthly

- Features Factory Aligned RF and IF Coils
- AFC Circuit "Locks In" FM Stations
- Output Jack for Multiplex Adapter
- Up-to-the-Minute Printed Circuit Assembly
- Cathode-Follower Audio Output Circuit

The perfect, low-cost finishing touch for any hi-fi system. Provides wideband FM as well as amazingly sensitive AM reception. Loaded with features to make it easily the finest hi-fi tuner in its class. AFC circuit "locks in" FM stations for drift-free reception; has defeat switch to let you listen to weak stations next to strong local stations. Cathode-follower output permits long cable runs to amplifier without high frequency loss. RF and IF coils are aligned at the factory—require no extra adjustment. Multiplex adapter jack provides for future addition of stereo FM to your system. Weighted flywheel tuning gives you effortless station selection. Modern printed circuit assembly contributes to easy, enjoyable kit construction. Size, 4⅛x13⅞x8". Handsome, platinum gold extruded aluminum front panel. With all parts, wire, solder and detailed instructions. Less case, at right. For 110-130 v., 60 cycle AC. 10 lbs.
83 U 315 MXW. *$5 Monthly*.......................**49.95**

KG-65 SPECIFICATIONS

FM SECTION

FM Sensitivity: 4 µv for 30 db quieting (IHF). **Hum and IF Noise:** 60 db below 1 volt. **IF Bandwidth:** 200 kc at 50% down on bandwidth curve. **Rejection:** Image, 60 db; IF, 47db. **Response:** ±1 db 20-20,000 cps.

AM SECTION

AM Sensitivity: 3 µv for 10 db signal-to-noise ratio. **IF Bandwidth:** 8 kc at 50% down on bandwidth curve. **Hum Level:** −60 db. **Rejection:** Image, 20 db; IF, 24db. **Frequency Response:** 20-8000 cps.

COMPONENTS

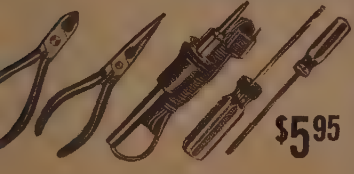
Tube Complement: 2—6AU6, 1 each 6AN8, 6BE6, 6BA7, 12AT7, ECC82/12AU7, 6AL5, and 6X4 rectifier; 1N34 crystal diode. **Antennas:** FM, external 300-ohm; AM, built-in ferrite loopstick.

Cases for KG-65 FM-AM Tuner Kit

83 U 018 MXW. Wood Case. Handsome oiled walnut veneer. Shpg. wt., 4 lbs..............................**9.95**

83 U 019 MXW. Metal Case. Attractive brown finish. Shpg. wt., 3 lbs..............................**4.95**

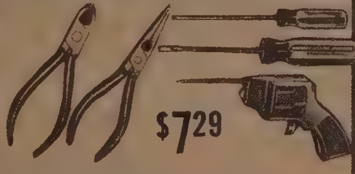
Tools Specially Selected for Knight-Kit Building



$5.95

Knight-Kit 5-Piece Tool Kit

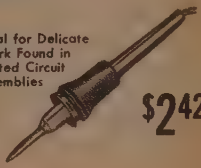
Everything for easy assembly of your Knight-Kits. Includes: Ungar 27-watt soldering iron; 5" diagonal cutters; 6½" long-nose pliers; 3½x3⁄32" and 4x3⁄16" screwdrivers. Iron is great for PC work. Wt., 1½ lbs.
83 U 070 MW...........................**5.95**



$7.29

Knight-Kit Deluxe 5-Piece Tool Kit

Quality tools selected to meet every need of the Knight-Kit builder. Includes: Wen Model 75 soldering pistol with built-in spotlight; 5" diagonal cutters; 6½" long-nose pliers; 3½x3⁄32" and 4x3⁄16" screwdrivers. 2½ lbs.
83 U 071 MW...........................**7.29**



Ideal for Delicate Work Found in Printed Circuit Assemblies

$2.42

Ungar Soldering Iron

27-watt iron with "taper tip" for printed circuit work. 7½" long. U.L. Listed. For 110-120 v., AC/DC. 6 oz.
83 U 068 MW................**2.42**
83 U 067 MW. Extra 7506 Tip. Shpg. wt., 2 oz...............**1.13**

NEW from knight-kit

"Superba" KG-415 Stereo Deck

FEATURING SOLID-STATE PLUG-IN MODULAR ELECTRONICS AND . . .

Three 4-Track Hyperbolic Heads Direct Tape Monitoring, Sound-on-Sound and Echo Recording

Selector Control with Record and Playback Operation Indicated by Six Illuminated Windows

VU Meters Indicate Record and Playback Sound Level

Single-Knob Tape Motion Control with Positive-Action Erase-Protect Pushbutton Switch

Push-to-Reset Digital Counter for Quick Indexing of Recorded Selections

Separate Monitor-Level Controls for Precise Balance between Recorded Signal and Source

$249.95 less base

$13 monthly

ACCESSORIES

Portable Carrying Case. Accommodates KG-415 deck, 2 mikes, tape, takeup reel, cables. Black with aluminum trim. 15⅝x16x11⅞". Shpg. wt., 18 lbs.

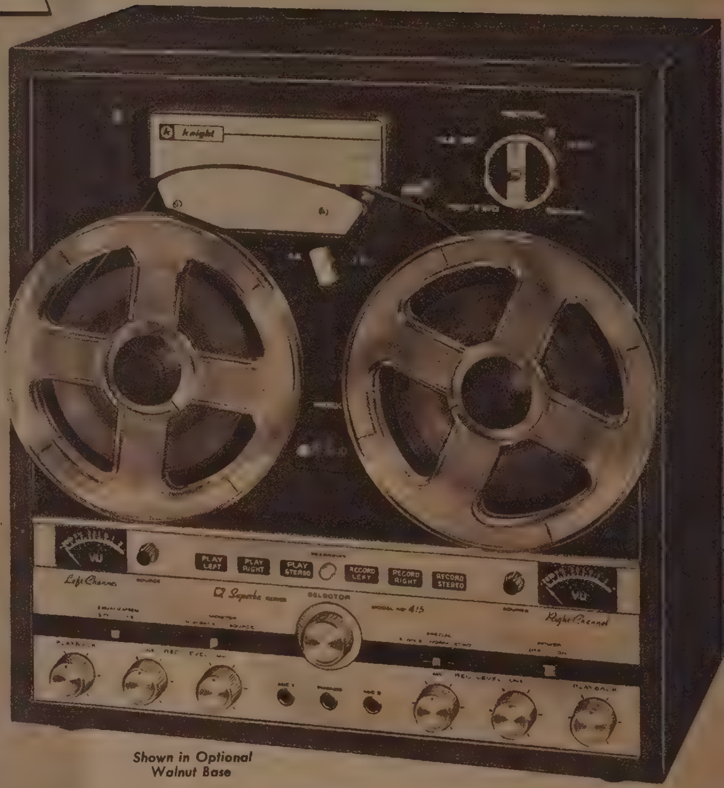
83 U 006 MUW **29.95**

Oiled Walnut Wood Base. 9 lbs.

83 U 003 MXW **19.95**

KNI-4520A Dynamic Microphone. Matches impedance of KG-415 mike inputs. Use two for stereo. With all accessories. Shpg. wt., 2 lbs.

83 U 183 MW . . . . **Each 10.85**



Shown in Optional Walnut Base

Professional 4-Track Stereo Tape Deck Kit With Viking Transport Built to Knight-Kit Specs

Ingeniously designed, the KG-415 is a marvel of distinguished taping equipment. *Easily assembled,* solid-state plug-in modular circuitry provides all the electronics needed for exceptional 4-track stereo and monophonic record and playback. *Preassembled* Viking tape transport is specially built to Knight-Kit specifications. Boasts capstan motor with flutter-filter belt-drive and separate takeup motor with positive braking system for start/stop within 0.2 second. Only the "Superba" KG-415 offers maximum versatility of controls and these professional features: exclusive headphone amplifier module, bias test oscillator, monitor switch with monitor-level controls for each channel, switch selected sound-on-sound and echo, plus six-position selector with illuminated windows. With all parts, including 7" takeup reel. Less base and tape (see accessories). For 110-130 v., 60 cycle AC. Shpg. wt., 30 lbs.

83 U 788 MUW. *$13 Monthly* **249.95**

KG-415 SPECIFICATIONS

Overall Record/Play Frequency Response: ±2 db, 50-18,000 cps at 7½ ips; ±2 db, 50-14,000 cps at 3¾ ips. **Flutter/Wow:** less than 0.2% rms at 7½ ips. **Signal-to-Noise Ratio:** 50 db or better. **Harmonic Distortion:** less than 1.5% at "0" VU. **Fast-Forward Time:** 1200′ in 60 sec. **Rewind Time:** 1200′ in 90 sec. **Solid-State Module Circuitry:** 17 transistors and 6 diodes. **Equalization:** 7½ ips speed, NAB; 3¾ ips, EIA. **Input Imp.:** Mic, 3000 ohms; Line, 50K ohms. **Input Sensitivity:** Mic, 1.5 mv for "0" VU; Line, 100 mv for "0" VU. **Output Imp.:** Playback, 250 ohms; Monitor: Playback, 250 ohms; Source, 1000 ohms. **Monitor Output:** modular amplifier drives low-Z stereo headphones. **Bias/Erase:** 80 kc. **1-kc Test Oscillator:** for adjustment of bias and erase voltages. **Dimensions:** 14½x14x8½" deep behind panel; 9⅝" depth, overall.

Unmatched for Performance, Quality and Value

WITH SPECIAL MONEY-SAVING TAPING KIT-SYSTEMS

KG-415 "Starter" Package

"Superba" KG-415 Stereo Tape Deck Kit with Professional Tape-Care Accessory Package

Save $8.95 **$\$259^{95}$** **$13 monthly**

Just complete the KG-415 modular assembly and you've added full taping facilities to your music system. And this handy package *saves you $8.95 off individual catalog prices.*

Distinguished Knight-Kit KG-415 Stereo Tape Deck Kit provides the ultimate in tape recording ease. Its professional features help you make studio-quality 4-track stereo recordings of unsurpassed realism.

Accessories include: five 7" reels Knight KN-12 1½-mil "Mylar" tape; tape head demagnetizer; 150' leader tape; tape splicer; 150" splicing tape; booklet on editing and splicing.

Also: threader; head cleaner and lubricant; cleaning cloth; 30 labels; 12 tape clips. Wt., 35 lbs.
85 U 082 AL2MUW..........**259.95**

KG-415 Portable Outfit

You're Ready for On-Location Recording/Playback with Deluxe KG-415 Portable Stereo Outfit

Save $21.50 **$\$309^{95}$** **$15 monthly**

Total catalog price purchased separately, $331.45. *Your Saving, $21.50,* plus the added savings from assembling the KG-415 yourself.

Knight-Kit "Superba" KG-415 Tape Deck Kit provides record and monitor facilities. Fits inside durable Carrying Case (supplied) for easy portability.

Knight KN-876 Stereo Headset has full-range response of 16-16,000 cps. Connects directly to special headphone jack of KG-415 deck.

Two KNI-4520A Dynamic Microphones for "live" stereo recordings. Supplied with desk stands, floor-stand adapters, lavalier cord assemblies.

Five 1800' Reels of Knight KN-20 "Plus-Play" 1-Mil Tape give you many hours recording time. Wt., 53 lbs.
85 U 083 AL4MUW..........**309.95**

Complete Stereo Music Syste

"Superba" Supreme Stereo Tape/Stereo FM/AM 64-Watt Custom Music System

Save $51.45 **$\$589^{95}$** **$25 monthly**

Extra power, extra versatility an extra value too, with our fines "Superba" Knight-Kit System. Cos of individual components purchase separately, $641.40. *You Save $51.4*

KG-415 4-Track Stereo Tape Deck K with Oiled Walnut Base records fron **two KNI-4520A mikes** (supplied with a accessories, see listing at left); or fron KG-964 Receiver. (See p. 8).

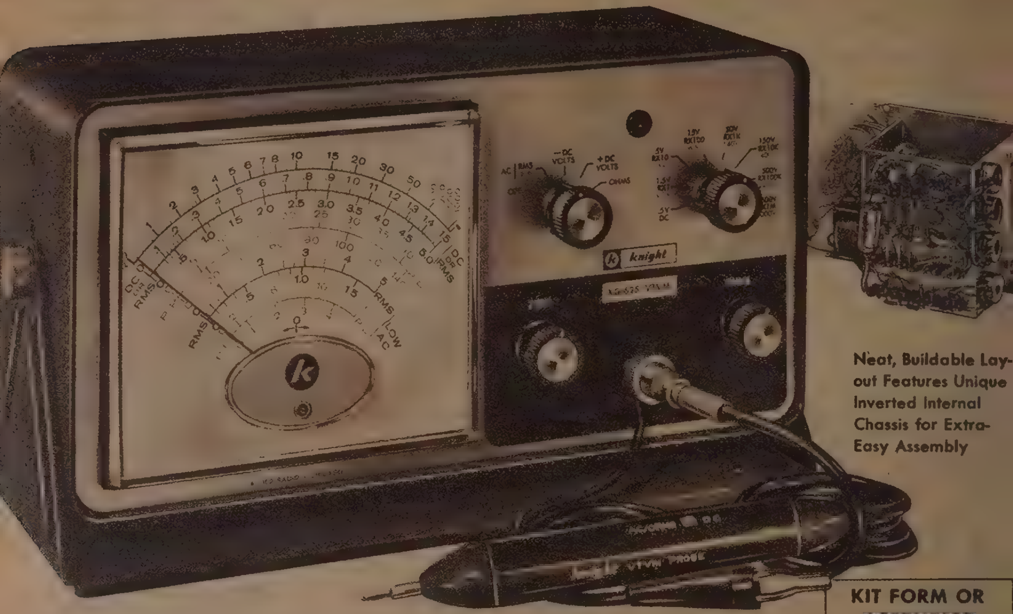
KG-964 Stereo Receiver Kit with Waln Wood Case, a masterpiece of solid state hi-fi. Husky 64-watt amplifie plus stereo FM, mono FM-AM.

Two Knight KN-2300A-K Speaker Sy tem Kits sound great. Use 12" high compliance suspension woofer, com pression midrange, compression twee er. 14x25x13½". (See p. 123).
84 U 623 DL8MZ. 178 lbs....**589.9**

knight-kit

TEST INSTRUMENTS

Our Best VTVM Features Deluxe, Full-View 6" Meter



Neat, Buildable Layout Features Unique Inverted Internal Chassis for Extra-Easy Assembly

KIT FORM OR ASSEMBLED

Includes Battery and Single AC-Ohms/DC Test Probe with Switch

Has ½-Volt Full-Scale DC Transistor Servicing Range!

Model KG-625 Deluxe 6" Vacuum Tube Voltmeter Kit

With Probe $36.95 $5 monthly

- Pre-Aged Bridge Tube Has Matched Triode Sections for Easy Calibration
- 200 μamp Meter Movement Has Fluorescent Knife-Edge Pointer
- Separate, Color-Correlated AC Scales for 1.5 and 5 v. RMS, 4.2/14 v. P-P
- Reads Peak-to-Peak AC Volts Directly; Modern Gimbal Mounting Bracket

KG-625 SPECIFICATIONS

DC SECTION. Ranges: 0-0.5-1.5-5-15-50-150-500-1500 v. full scale. With optional High-Voltage Probe to 25,000 v. **Accuracy:** ±3% of full scale reading. **Input Resistance:** 11 megohms (1 meg in probe) to 1500 volts. **AC SECTION. Ranges (RMS):** 0-1.5-5-15-50-150-500-1500 v. full scale. Separately calibrated scales for 1.5 and 5 v. **(P-P):** 0-4.2-14-42-140-420-1400-4200 v. full scale. Separately calibrated scales for 4.2 and 14 v. **Accuracy:** ±5% of full scale reading. **Frequency Response:** ±1 db. 30 cps to 3 mc; ±3 db, 30 cps to 5 mc. With High-Frequency Probe to 250 mc. **OHMMETER. Ranges:** 0-1000-10,000-100,000 ohms; 0-1-10-100-1000 megohms. **Center Scales:** 10-100-1000-10,000-100,000 ohms; 1 and 10 megohms. **Battery:** 1½-volt, size "C." **TUBE COMPLEMENT. Meter Bridge:** premium pre-aged 12AU7A with matched triode sections. **Full-Wave Rectifier:** 6AL5. **Power Supply:** transformer operated with silicon diode rectifier.

Feature-packed 6" VTVM brings you more in functional styling, more in genuine operating convenience, more in dependable performance. You get: ½-volt full-scale DC range—a "must" for accurate transistor servicing; single, switchable AC-Ohms/DC test probe making multiple measurements a snap; and inverted chassis for quick, easy assembly.

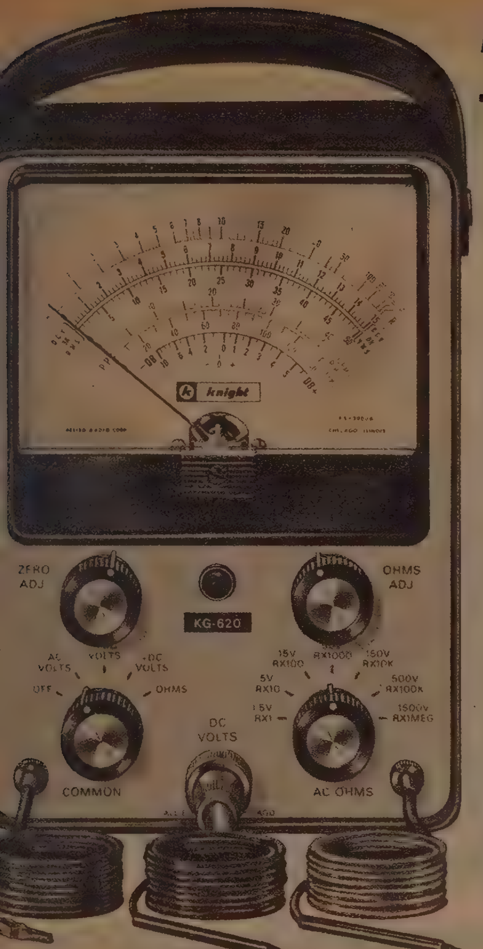
Utilizes premium pre-aged bridge tube with matched triode sections for stable calibration adjustments. Large, 6-inch, 200-microamp movement has fluorescent, knife-edge pointer; 10 separate color-correlated scales, 100° meter arc for larger scale area, plus easy viewing from all angles. Movement is shorted out in "Off" position—prevents damage when carrying instrument. Precision 1% film-type resistors are used as multipliers. Sturdy plastic probe, tip takes slip-on alligator clip as well as regular tip pin. Separate ground lead is terminated in alligator clip. Push-pull balanced bridge circuit assures maximum accuracy and meter protection.

Gimbal bracket for convenient mounting and easy viewing. Calibration controls are externally accessible. Has: DC polarity reversing switch; zero-center scale for discriminator alignment; pilot light; 11 megohm DC input impedance; low-leakage switches; power transformer for line isolation. Size, 7¾x12x5½". Black steel case; charcoal-gray and silver panel. With all parts, battery, test probe and instructions. See accessory probes facing page. For 110-130 v., 60 cycle AC. 9 lbs.

83 U 975 MXW. *$5 Monthly* **36.95**

83 U 563 MXW. Above, factory assembled. *$5 Monthly* **53.95**

See Page 49 for Test Equipment Outfits with KG-625



ludes 3
st Leads
d Battery

KIT FORM OR ASSEMBLED

Popular 4½″ VTVM Kit —An Outstanding Buy

Model KG-620 4½″ VTVM Kit

RECOGNIZED FOR PERFORMANCE AND VALUE

With Leads **$24.95** $5 monthly

- 7 AC (RMS & P-P), 7 DC, 7 Ohm, and 7 db Ranges
- 1% Precision Multiplier Resistors for High Accuracy
- 200-Microamp Meter Movement—2-Color 4½″ Scale
- 11-Megohm Input Resistance Minimizes Circuit Loading
- Extended Frequency Response, ±1 db, 30 cps to 3 mc
- Accurate, Push-Pull Balanced-Bridge Circuit
- Supplied With Three Test Leads—AC, DC, Common

Performance-proven in the field and widely recognized for accuracy and dependability, the KG-620 is an outstanding value for any service shop, lab bench, or hobby corner! Provides entirely electronic, direct-reading measurements (35 total ranges) of AC voltage (both Peak-to-Peak and RMS), DC voltage, decibels, and resistance on a highly legible, two-color 4½″ meter scale.

Invaluable for signal tracing, alignment, voltage and resistance readings in AM/FM radios, TV sets, and high-fidelity components. Also excellent for checking audio frequency response, CB and Amateur equipment, and for servicing many types of electrical devices. Highlights include: 11-megohm input resistance for negligible loading effect on the circuit under test; precision 1% resistors used as multipliers for accurate readings; 200-microamp meter movement with large 4½-inch full-view, two-color scale; zero-center scale for discriminator alignment; direct-reading decibel scale; 1.5-volt DC full scale range; and provision for easy, external calibration.

Push-pull balanced-bridge circuit offers maximum accuracy and protects meter movement from overload. Sensitive DC amplifier allows resistance readings up to 1000 megohms using only the self-contained 1½-volt battery. Single zero-adjust control for all ranges and functions; DC polarity reversing switch; low-leakage rotary switches; finest-grade printed circuit board; pilot light; and power transformer for isolation from AC line; 7⅝x5⅜x4¼″. Black steel case; charcoal-gray and silver panel. With all parts, 3 test leads, battery and detailed instructions. For 110-130 v., 60 cycle AC. Shpg. wt., 7 lbs.

83 U 911 MW. *$5 Monthly*	**24.95**
83 U 576 MW. Above, factory assembled	**39.95**

Optional KG-620/KG-625 VTVM Probes

U 126 MW. High-Voltage Probe Kit. 1 lb.	**4.50**
U 130 MW. Above, factory assembled	**5.50**
U 127 MW. High-Frequency Probe Kit. 1 lb.	**3.50**
U 131 MW. Above, factory assembled	**4.50**

KG-620 SPECIFICATIONS

DC SECTION. Ranges: 0-1.5-5-15-50-150-500-1500 v. full scale. With optional High-Voltage Probe to 50,000 v. **Accuracy:** ±3% of full scale reading. **Input Resistance:** 11 megohms (1 meg in probe) to 1500 v. **AC SECTION. Ranges (RMS):** 0-1.5-5-15-50-150-500-1500 v. full scale. **(P-P):** 0-4.2-14-42-140-420-1400-4200 v. full scale. **Decibels:** −10 to +65 in 7 ranges. **Frequency Response:** ±1 db, 30 cps to 3 mc; ±3 db, 30 cps to 5 mc. With optional High-Frequency Probe to 250 mc. **Accuracy:** ±5% of full scale reading. **OHMMETER. Ranges:** 0-1000-10,000-100,000 ohms; 0-1-10-100-1000 megohms. **Center Scales:** 10, 100, 1000, 10,000, 100,000 ohms; 1 and 10 megohms. **Battery:** 1½-volt, size "C". **TUBE COMPLEMENT. Meter Bridge:** 12AU7A. **Full-Wave Rectifier:** 6AL5. **Power Supply:** transformer operated with selenium rectifier.

A DOLLAR GOES FARTHER WITH knight-kits

Get more for your money in every way with Knight-Kit test equipment! More in design through experienced research and development teams with a thorough understanding of your electronic needs . . . More in performance through rigid quality control and field testing . . . More in dependability through use of finest components . . . More in appearance through professionally styled cabinets and panels . . . More in genuine ease of assembly through buildable layouts and well-illustrated, step-by-step manuals.

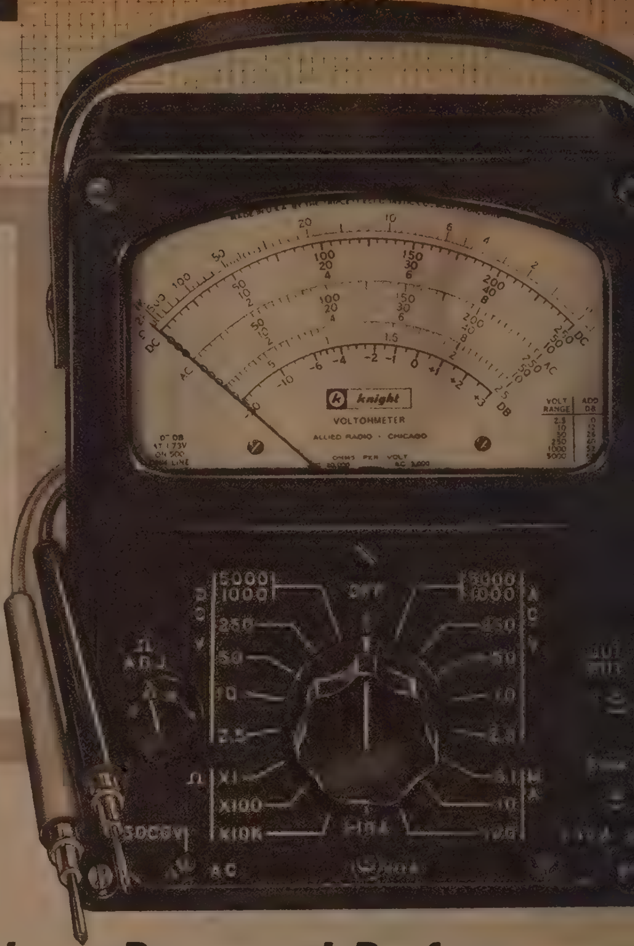
20,000 OHMS PER VOLT

Our Finest VOM Kit

HAS BUILT-IN METER MOVEMENT PROTECTION

on Every Range!

No Damage from Accidental Overloading . . . Even with 1000 Times Overload



With Test Leads and Batteries **$29^95**
$5 monthly

Recognized Value—Renowned Performance

20,000 Ohms-Per-Volt VOM Kit

- 4½", Two-Color Meter Has 9 Scales; 50-Microamp Movement Sensitivity
- Positive-Action, 1-Knob Function and Range Switch for Rapid Selection
- 32 Ranges; 20,000 Ohms-Per-Volt Sensitivity Minimizes Circuit Loading
- For AC, DC, Output Volts; Decibels; DC Current; Resistance (Continuity)

You get the most for your money—outstanding quality and performance—with this time-tested, carefully engineered VOM. Use it for any application where accurate messurement of voltage, current or electrical continuity is needed. 50-microamp meter sensitivity provides 20,000 ohms-per-volt input resistance on DC to assure true readings and minimize circuit loading. AC input resistance is 5000 ohms-per-volt.

Meter movement is protected on every range—even from transient overloads of more than 1000 times! Never any worry about a burned-out meter, bent pointer, damaged pivots or overheated springs due to accidental overloading. All multipliers are 1% precision types.

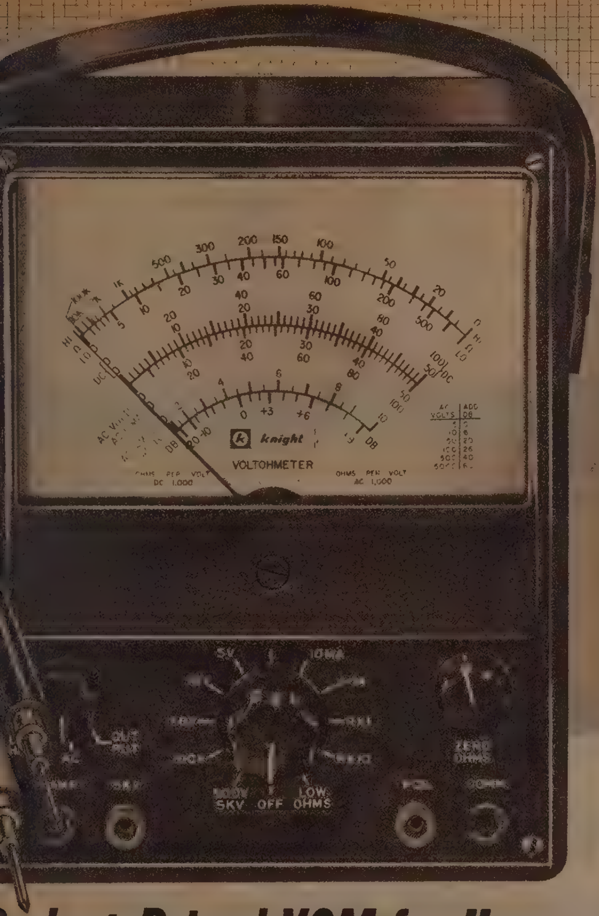
A single range/function switch covers the full 32 ranges for utmost operating convenience. Deluxe meter has 9 easy-to-read, 2-color scales. Professionally styled black bakelite case has carrying strap. Size, 6¾x5¼x2¾". Includes batteries, test leads, and detailed, step-by-step instructions. Wt., 4 lbs.
83 U 972 MW. *$5 Monthly*. **29.95**

SPECIFICATIONS

AC, DC and Output Volts (6 Ranges Each) 0-2.5-10-50-250-1000-5000 volts. **Resistance (3 Ranges):** 0-2000-200,000 ohms 0-20 megohms. Center scales at 12, 1200 and 120,000 ohms. **DC Current (5 Ranges)** 0-0.1-10-100 milliamps; 0-1-10 amps **Decibels (6 Ranges):** −30 to +63. **Mete Movement Sensitivity:** 50 microamps ful scale. **Input Resistance:** DC, 20,000 ohm per volt; AC, 5000 ohms per volt. **Meter, Movement Accuracy:** 2% of full scal reading. **Batteries:** four 1½-volt penlite one 1½-volt size "C."

A **101 WAYS TO USE YO VOM AND VTVM.** By Rob G. Middleton (Sams). pages. 5½x8½". Wt., 8 oz.
83 U 163 EMW. 2

B **101 MORE WAYS TO YOUR VOM-VTVM.** pages. 5½x8½". Wt., 6 oz.
83 U 158 EMW. 2



1000 OHMS PER VOLT

This Popular VOM KIT HAS BUILT-IN METER MOVEMENT PROTECTION

on Voltage, Current and Decibel Ranges

No Damage from Accidental Overloading . . . Even with 1000 Times Overload

With Test Leads and Battery **$17.95**

Budget-Priced VOM for Home, Shop, Bench or Lab

Model KG-645 1000 Ohms-Per-Volt VOM Kit

1½", Two-Color Meter Has 8 Scales; 400-Microamp Movement Sensitivity
2-Position Range Switch Separate 3-Position Function Switch
Boasts 38 Ranges; 1000 Ohms Per Volt AC and DC; 1% Multipliers
For AC, DC, Output Volts; Decibels; AC-DC Current; Resistance (Continuity)

cellent value VOM kit for hobbyist or technician. Boasts meter-movement protection that puts it in a class with VOM's priced far higher! lvanced circuit prevents burnout, bent pointers, damaged pivots and erheated springs on voltage, current and decibel ranges.

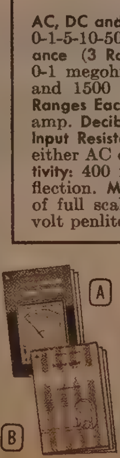
e for accurate AC, DC and output voltage readings, AC and DC curnt measurements, plus resistance values. Helps you quickly evaluate ndition of radio and TV sets, hi-fi components, appliances, audio uipment and hobby projects. Great for checking electrical continuity motors and for testing house wiring, too.

ultipliers are precision 1% types that provide high accuracy and conued dependability. 1000 ohms-per-volt sensitivity on both AC and C. Full-view meter has easy-to-read calibrations. Assembles in a atter of hours. Detailed manual has "how-to-use" section. Black bakee case is 6¾x5¼x2¾". Includes battery, test leads, carrying strap, d step-by-step instructions. Wt., 3 lbs.

U 983 MW **17.95**

SPECIFICATIONS

AC, DC and Output Volts (7 Ranges Each): 0-1-5-10-50-100-500-5000 volts. **Resistance (3 Ranges):** 0-1000-100,000 ohms; 0-1 megohm. Center scales at 60, 150 and 1500 ohms. **AC or DC Current (4 Ranges Each):** 0-1-10-100 milliamps; 0-1 amp. **Decibels (6 Ranges):** −20 to +69. **Input Resistance:** 1000 ohms per volt on either AC or DC. **Meter Movement Sensitivity:** 400 microamps for full scale deflection. **Meter/Movement Accuracy:** 2% of full scale reading. **Battery:** one 1½-volt penlite cell.



A TROUBLESHOOTING WITH THE VOM AND VTVM. By R. G. Middleton (Sams). 160 pages. 5½x8½". Wt., 8 oz.
83 U 159 EMW **2.50**

B KNOW YOUR VOM-VTVM. By J. H. Risse (Sams). 128 pages. 5½x8½". Wt., 8 oz.
83 U 184 EMW **2.50**

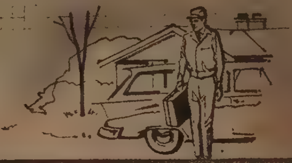
knight-kit

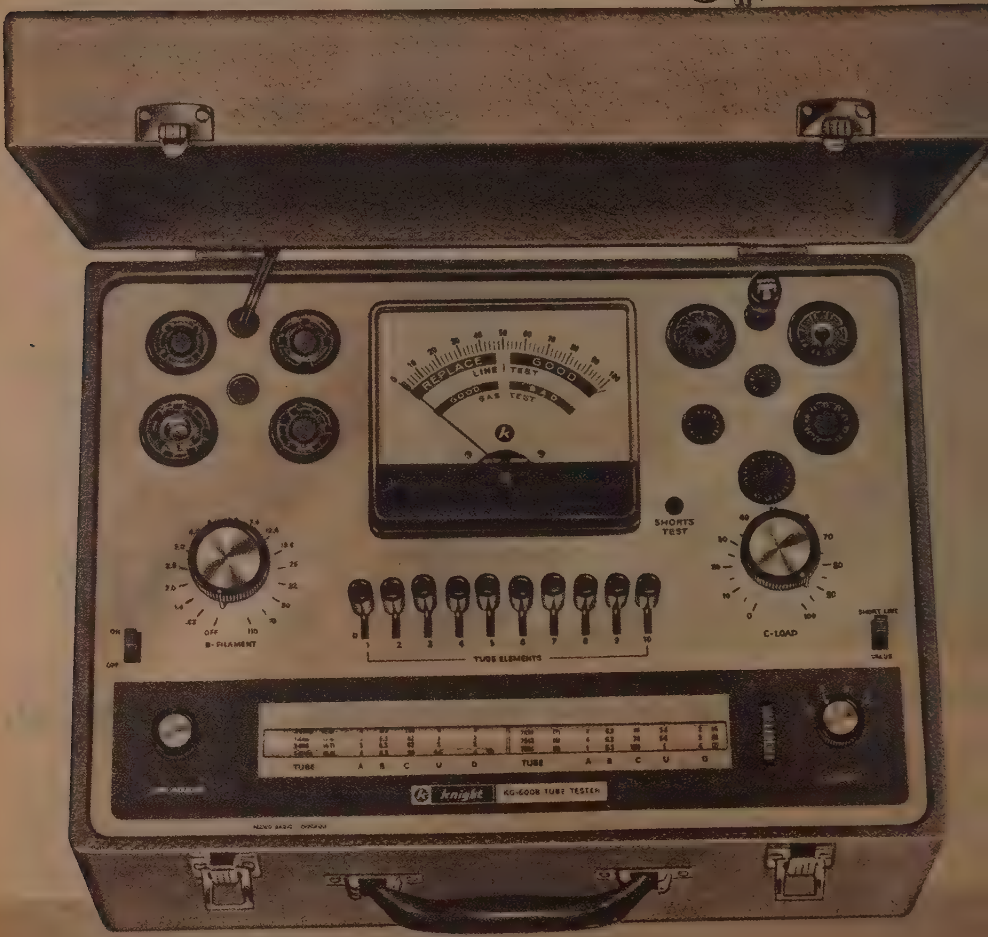
TEST INSTRUMENTS

Checks Over 2300 Tube Type

KG-600B . . FOR SHOP OR ON-THE-GO SERVICE

Lightweight and Portable, It's Perfect for In-Home Radio-TV Servicing




REPLACE
GOOD
LINE TEST
GOOD
GAS TEST
BAD
SHORTS TEST
B-FILAMENT
TUBE ELEMENTS
C-LOAD
knight
KG-600B TUBE TESTER

$39.95 Kit Form
$5 monthly

Factory Assembled **$64.95** $5 monthly

- *Advanced Features at Lowest Cost*
- *Choice of Kit or Assembled Form*
- *Famous Knight-Kit Assembly Ease*

Use Your Allied Credit Fund to Get Your Tester

ood Tube Testers Don't Have to Be Expensive!

HE PROOF IS IN THE KG-600B . . COMPARE ITS PRICE AND FEATURES

These Professional-Type Features Provide Greater Versatility, Accuracy and Easier Testing

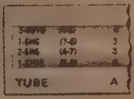
switch selected ment voltages: , 1.4, 2.0, 2.5, 4.2, 5.0, 6.3, 12.6, 19.6, 25, 50, 70 and 117 v.

LINE ADJUST

Power rheostat is adjustable to compensate for line or load variations. You always have proper testing conditions.

Versatile, easy action selector switches allow fast and easy setup. Preassembled into a single unit for simple mounting.

Full-view 4½" 3-color meter has "Good-Replace" emission scale, "Good-Bad" gas scale. Also 0-100 numerical scale.



Roll chart is illuminated for quick and easy testing setup. Gear-driven mechanism has smooth-action thumbwheel.

Famous Model KG-600B Emission-Type Tube Tester . . Our Finest

ecks for Tube Quality, Continuity, Shorts, Open Elements, and Gas • Versatile Selector Switches—Easy to Set Up for All Types
ree-Color, Easy-to-Read, 4½" Full-View Meter • Checks Pilot Lights Up to 117 Volts • Tops for the Matching of Tubes

ay's radio-TV and hi-fi servicing demands a reliable tester—it's a number-one testing instrument, among first you reach for when troubleshooting. It must be atile to check old tubes, yet accept new tubes as they me available; it must provide highly accurate readings; it must be easy to use so that minimum time is spent etup. The popular KG-600B meets all these requirets at a price that can put this fine instrument on the bench of even do-it-yourself hobbyists.

essional-styled unit checks over 2300 types including: stors; compactrons; novars; 4, 5, 6, and 7-pin large s; 7, 9, and 10-pin miniature tubes; octals; loctals; pilot lamps. Tests TV picture tubes with optional TV ure Tube Harness and Adapters, below. Extra-large er shows tube condition by GOOD-REPLACE emission . Separate GOOD-BAD gas test scale. 0-100 scale for ching tubes. A neon indicator shows filament continuity leakage or shorts between tube elements. Line-adjust is provided to correct for variations in line voltage and to maintain proper testing conditions. Filament switch lets you select 16 different voltages from 0.63 to 117 volts. Easy-action, universal-type selector switches permit setting up for testing tube types with ease and speed. Roll chart features smooth-action thumbwheel drive to quickly locate desired tube. Chart is illuminated by 2 lamps. Gray fabrikoid-covered portable case has carrying handle and latching cover. Panel is styled in charcoal-gray and silver. Size, 6½x14½x10½". With solder and detailed, step-by-step instructions for simplified assembly. For 110-130 volt, 50-60 cycle AC. Shpg. wt., 13 lbs.

83 U 920 MXW. *$5 Monthly*.......................**39.95**

Factory-Assembled Portable Tester

Identical to above, but tester is factory assembled and comes to you ready to use. Shpg. wt., 13 lbs.

83 U 578 MXW. *$5 Monthly*.......................**64.95**

SPECIFICATIONS

ype of Tube Tester: cathode conductance (emission). **ube Condition Indicator:** 3-color, 4½" meter with Replace-Good, numerical, and gas scales. **Tube Types That May Be Tested:** nuvistors; compactrons; novars; 4, 5, 6, and 7-pin large tubes; 7, 9, 10-pin miniature tubes; octals; loctals; pilot lamps. **Individual Element Tests:** shorts and continuity indicated by neon lamp; gas and opens ndicated by GOOD-REPLACE, GOOD-BAD scales. **Filament Voltages Available:** 0.63, 1.4, 2.0, 2.5, 3.0, 4.2, 5.0, 6.3, 7.5, 12.6, 19.6, 25, 32, 50, 70, and 117 volts. **Line/Load Voltage Adjustments:** built-in power rheostat is adjustable to compensate for voltage variation; rheostat is located in primary of the power transformer. **Individual Tube Settings:** read from built-in and illuminated, gear-driven roll chart with thumbwheel. **Power Required:** 110-130 volt, 50-60 cycle AC.

Tube Tester Accessories and Tube Manuals

V PICTURE TUBE HARNESS. For checkng black-and-white tubes with up to deflection on all Knight-Kit series tube testers. 8 oz.

141 MW. Assembled..........**4.50**

10° ADAPTERS. Set of two for above. ermits checking picture tubes with deflection. 3 oz.

271 MW. Assembled..........**3.85**

EPLACEMENT ROLL CHART. Current ssue for updating Knight-Kit Mod-00, 600A, 600B testers bought prior ug. 1st, 1965. 8 oz.

083 MW.......................**1.75**

E **HOWARD W. SAMS TUBE SUBSTITUTION HANDBOOK.** Latest edition. Invaluable when replacing tubes. Lists over 7000 direct tube substitutions, including European, industrial and subminiature types. Wt., 8 oz.

83 U 234 EMW..................**1.50**

D **RCA TUBE MANUAL.** Latest, up-dated edition. Offers full technical data on all current receiving tubes plus full details on color and black-and-white picture tubes. Extremely helpful when you must know a tube's capabilities. Shpg. wt., 1 lb.

83 U 133 EMW..................**1.25**

knight-kit

TEST INSTRUMENTS

13-Range Pocket VOM Kit

- Hardly Larger Than a Cigarette Pack
- Measures Voltage, Current, Resistance
- 1000 Ohms/Volt • Front-Panel Zero Adjust

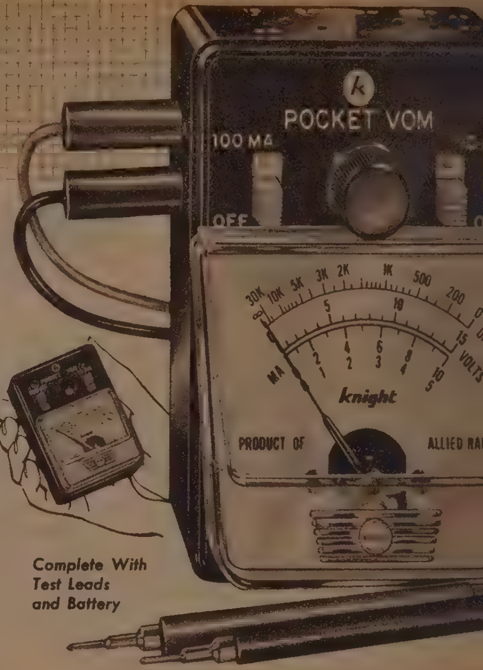
$8.95

An excellent choice for hobbyists, experimenters, and in-the-home servicemen who want a pocket size VOM at lowest cost. Helps find defects in radios, TV sets, appliances, auto accessories, house wiring. Two-color 2½" meter with 13 ranges. 5%-tolerance multipliers and shunts. Front-panel zero adjustment. Black bakelite case; pre-installed jacks. Point-to-point wiring and step-by-step instructions make assembly easy. Only 4x2⅛x2⅛". With solder, test leads, battery. Shpg. wt. 1 lb.

83 U 708 MW..................................**8.95**

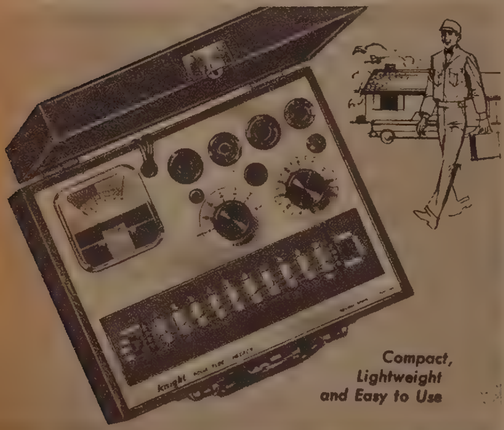
SPECIFICATIONS

DC Ranges: 0-5-15-50-150-500 volts; 0-1-10-100 milliamperes. **AC Ranges:** 0-15-50-150-500 volts. **Resistance:** 0-30,000 ohms; 1200 ohms center scale. **Input Resistance:** 1000 ohms per volt on DC ranges. **Meter Sensitivity:** 1 milliampere full scale. **Battery:** 1½-volt, Type 7.



Complete With Test Leads and Battery

Low-Cost VOM, Tube and Transistor Checker K



Compact, Lightweight and Easy to Use

400A Portable Tube Checker Kit

$23.95

$5 monthly

- Checks More than 1800 Tube Types
- Cathode Emission, Continuity and Short
- Tests Compactrons, Nuvistors, Novars, 1
  7 and 9-Pin Miniatures, Octals, Locta

Easy-to-assemble tube checker priced so low, hobbyists, time servicemen and experimenters can hardly afford without one. Genuine *cathode emission* testing circuit, filament continuity test and short check on an eleme element basis. Checks more than 1800 radio and TV tube Tests compactrons, nuvistors, novars, 10-pins, 7 and miniatures, octals and loctals. Two-color meter scale GOOD or BAD condition. Transformer power supply is unit from power line for safety. Handy "flip-card" tube Selector switch circuit quickly sets up tests. Gray fabr covered wood case has carrying handle. With step-by instructions and large wiring diagrams. Size, 3½x10⅛ For 110-130 v., 60 cycle AC. With all parts, solder, Shpg. wt., 7 lbs.

83 U 924 MW. *$5 Monthly*..................................**2**

Transistor/Diode Checker Kit

- Measures Leakage-to-Gain Ratio of Transistors
- Measures Diode Reverse Current and Front/Back Ratio
- Makes Noise Level Tests
- Matches Pairs of Transistors

With Leads **$6.95**

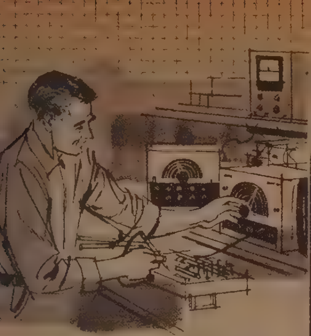
TRANSISTOR AND DIODE CHECKER
LEAKAGE
CALIBRATE
GAIN
EMITTER
BASE
COLLECTOR

Measures leakage-to-gain ratio of junction, point-contac surface-barrier transistors. Matches pairs of transistors. C germanium and silicon diodes, seleniums and copper rectifiers for reverse current conduction, and front-to ratio. Makes noise level tests. Has: spring-return lea gain switch; adjustable forward current control; separate ets for PNP and NPN types. Sensitive 1-ma meter move 6¼x3¾x2⅝". Bakelite case, aluminum panel. With solder, instructions. Less battery, below. 2 lbs.

83 U 900 MW..................................

55 U 064 M. 22½-volt Battery. Wt. 2 oz..................................

Knight-Kits Include Precut Wire and Sc



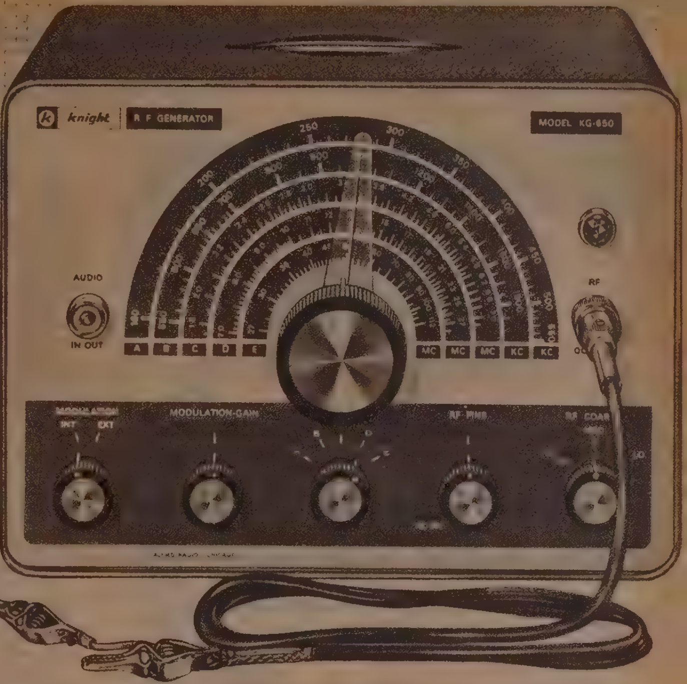
irst choice of servicemen, technicians nd hobbyists . . everyone who must get e most for each test equipment dollar

IN KIT FORM OR ASSEMBLED

With Leads

$23.95

$5 monthly



Versatile KG-650 RF Signal Generator Kit

WIDE VARIETY OF USES

- TV Marker Generator
- RF Alignment
- IF Strip Alignment
- Oscillator Alignment
- Signal Tracing Circuits
- 400 Cps Audio Generator
- Testing Small Speakers
- Checking Video Stages
- AM, FM, TV Service
  and Much More!

KG-650 SPECIFICATIONS

Ranges—Calibrated Fundamentals: Band A, 160 to 550 kc; Band B, 550 to 1850 kc; Band C, 1850 kc to 7 mc; Band D, 7 to 27 mc; Band E, 27 to 112 mc.

Calibrated Second Harmonics: usable up to 224 megacycles.

Radio Frequency Output: in excess of 400,000 microvolts.

Modulation Frequency: 400 cps.

Audio Output: in excess of 10 volts at 400 cycles per second.

Attenuator: 3-position switched plus continuously variable.

Tube Complement: 1—6C4; 1—12AT7; plus selenium rectifier.

3-Output Generator at Lowest Cost

- Uses Precision Wound Coils in Colpitts Circuit—Requires No Calibration
- 3 Outputs: Modulated and Unmodulated plus 400 cps Audio Sine Wave
- Provision for External Modulation Sources
- Cathode Follower Outputs

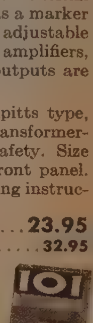
TV, AM and FM alignment become a snap with this wide-range, extremely stable RF signal generator kit! Easy to build, the KG-650 can be a real time and labor-saving trouble-shooter for you, Its wide-range fundamental output is divided into five separate bands for quick and precise selection of the desired range, A large, clearly calibrated dial, with vernier drive and easy-to-grip knob assure accuracy in the setting of individual frequencies on all bands.

Includes both step and continuous-type attenuators for exact adjustment of the output voltage. This output is available unmodulated, or modulated by the 400 cycle per second built-in audio oscillator. External modulation can be used, as well. The KG-650 is ideal for use as a marker for the KG-652 or other sweep generators. A 400-cycle output, adjustable to more than a 10-volt level, is provided for checking audio amplifiers, small speakers, and other audio devices. Cathode follower outputs are used for maximum isolation and highest stability.

Both audio and RF oscillators are of the highly stable Colpitts type, using precision wound coils—no calibration is required. Transformer-operated power supply for reliable service and operating safety. Size 7¼x10⅛x5¼". Black metal case; charcoal-gray and silver front panel. Includes all parts, leads, detailed assembly manual and operating instructions. For 110-130 v., 60 cycle AC. Wt., 8½ lbs.

83 U 953 MW. *$5 Monthly*	**23.95**
83 U 574 MW. Above, but factory assembled	**32.95**

"101 Ways to Use Your Signal Generator"



Howard Sams book describes setups, with block diagrams, of signal generator uses for equipment checks, radio-TV servicing and component tests. 128 pages. 5 oz.

83 U 287 EMW	**2.00**

knight-kit TEST INSTRUMENTS

Quality Testers at Low Cost

FOR FASTER, EASIER-THAN-EVER SERVICING

knight
KG-652 RF SWEEP GENERATOR
CRYSTAL
MEGACYCLES
BAND
OUTPUT CONTROL

A

- Low-Cost Unit Sweep-Aligns TV-FM
- Continuous Coverage from 300 kc to 250 mc with Wide, Linear, Stable Sweep

$44.95 With Leads
$5 monthly

A KG-652 RF Sweep Generator Kit

For precision sweep alignment. Output 300 kc to 250 mc, held within 1 db by automatic gain control and voltage regulation. Electronic retrace blanking; electro-mechanical reactance modulator circuit; crystal marker oscillator with dual crystal socket (switch selects either of 2 crystals); provision for mixing crystal and external markers. Filtered output on Band A attenuates signals above 50 mc. Black steel case, charcoal-gray/silver panel. 8⅝x12⅛x7". With leads, less crystals. For 110-130 volts, 60 cycle AC. Shpg. wt., 14 lbs.

83 U 974 MXW. *$5 Monthly*............**44.95**
83 U 052 MW. 4.5-mc Crystal. ±.005%. 3 oz. **4.80**
83 U 050 MW. 5-mc Crystal. ±.02%. 3 oz.... **3.95**
83 U 051 MW. 10.7-mc Crystal. ±.02%. 3 oz. **3.95**

SPECIFICATIONS

Frequency Range: 300 kc to 250 mc on fundamentals on 4 bands. **RF Sweep Output:** Better than .15 v. within 1 db on all bands. **Sweep Frequency and Width:** 60 cycles; 0-13 mc on all bands. **Horizontal Sweep Voltage:** 5 v. (rms), 60 cycle sine wave. **Phase Control:** blanking shift 0-180°. **Output Controls:** step and fine for RF; marker separate.

knight
KG-653 AUDIO GENERATOR
CYCLES
MEGACYCLES
OUTPUT LEVEL
FREQUENCY RANGES
VOLTAGE ATTENUATION
ALLIED RADIO CHICAGO

B

- Sulzer Oscillator Circuit
- Tests Hi-Fi Amplifiers, Tone-Control Circuits, Speakers

With Leads $39.95
$5 monthly

B Model KG-653 Sine-Wave Audio Generator Kit

Speeds up and adds highest accuracy to any servicing that requires calibrated, continuously variable sine-wave audio signals. Features Sulzer Oscillator circuit developed at the NBS. Stable, uniform output (±1 db) from 20 cps to 1 mc. Operates into high-impedance or 600-ohm loads. Exceptional stability and optimum isolation are achieved by use of second cathode follower between oscillator and load. Well-filtered full-wave power supply. Black steel case, charcoal-gray and silver panel. 7¼x10⅛x8½". With leads. For 110-130 v., 60 cycle AC. 14 lbs.

83 U 973 MXW. *$5 Monthly*............**39.95**

SPECIFICATIONS

Frequency Range: 20 cps to 1 mc in 5 ranges. **Output:** continuously variable and step attenuated (calibrated in 20 db steps to 80 db), 0-10 volts (rms) into 600 ohms; flat within ±1 db over entire range. **Distortion:** less than .25% from 100 cps to 20 kc; less than .3% over entire tuning range; less than .5% when driving 600-ohm load at 2 volts (rms) output.

101 Ways to Use Your Sweep Generator

Sams publication by Robert G. Middleton. An indispensable "assistant." Over 250 illustrations and 144 pages. 5½x8½". Wt., 5 oz.
83 U 229 EMW..............................**2.00**

101 Ways to Use Your Audio Test Equipment

Sams publication by Robert G. Middleton. 136 pages packed with valuable information and techniques. 5½x8½". Wt., 4 oz.
83 U 230 EMW..............................**2.00**

ccurate Testers for Shop, Lab, Production Line

FUN TO ASSEMBLE, SIMPLE TO USE AND PERFORMANCE PROVEN

KG-690 Hi-Gain Signal Tracer Kit

s servicing time. Use it to analyze radios, ers, TV, amplifiers, CB/Amateur equipment. ces by aural *and* visual methods. "Magic " tube, used with calibrated attenuators, in- ates signal presence *and* permits stage-by- ge gain measurements. Doubles as utility io amplifier. Built-in wattmeter. Binding ts permit substitution servicing; also usable direct connection of scope and/or VTVM en multiple measurements are to be made. ck steel case, charcoal-gray/silver panel. x10⅛x5¼". With 2-position RF-AF probe, le and connector. For 110-130 v., 60 cycle 12 lbs.

J 955 MXW. *$5 Monthly*............**29.95**

SPECIFICATIONS

Preamplifier Voltage Gain: 91,000 at maximum sensitivity. **Probe Input Capacity:** 6 mmf. **Wattmeter Calibration:** 25-1000 watts, read from front-panel control. **Speaker:** 4" permanent magnet type. **Substitution Circuits:** B+, speaker, output transformer. **Noise Locator Test:** places DC potential across circuit or component under test. **Power Supply:** transformer-operated full-wave rectification, delivering well-filtered DC.

knight
KG-690 SIGNAL TRACER
INPUT
SENSITIVITY
GAIN
SPEAKER
WATTS
A

With Probe **$29⁹⁵** $5 monthly

- Traces Video, RF, IF and Audio
- 91,000 Amplification Gain
- Traces Very Low Signal Levels
- Calibrated Wattmeter Indicates from 25 to 1000 Watts

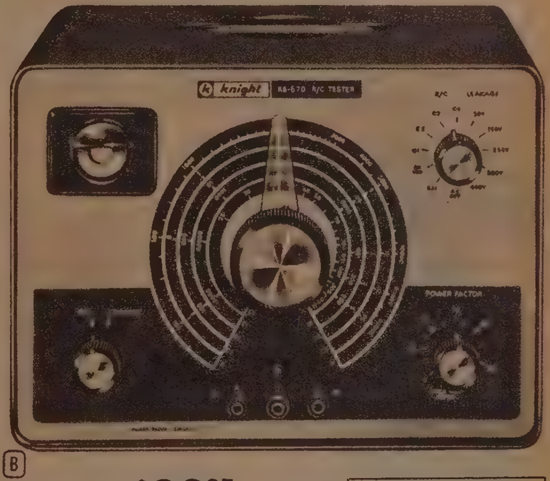
B Versatile Model KG-670 Resistor-Capacitor Tester Kit

asures resistance and capacitance within % by proven AC-operated bridge method. l, used with "Magic Eye" null indicator, ws component value. Tests capacitors (at ed DC voltage) for opens, shorts, and inter- tents. Indicates power factor of electrolytics direct reading of efficiency. Capacitor dis- rges under test when Leakage switch is re- ed. Black steel case, charcoal-gray and silver el. 7¼x10⅛x5¼". With alligator-clip leads. 110-130 v., 60 cycle AC. 9 lbs.

J 901 MW. *$5 Monthly*............**22.95**
J 580 MW. Above, Factory Assembled. **28.95**

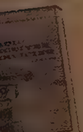
SPECIFICATIONS

Resistance Ranges: Rx1—100 to 50,000 ohms; Rx100—10,000 ohms to 5 megs. **Capacitance Ranges:** C1—.00001 to .005 mfd; C2—.001 to .5 mfd; C3—.1 to 50 mfd; C4—20 to 1000 mfd. **Leakage Test Voltages:** 50, 150, 250, 350, and 450 volts DC. **Power Factor Calibration:** 0 to 50%, direct-reading at front panel. **Power Supply:** transformer-operated half-wave rectifier.



Kit Form With Leads **$22⁹⁵** $5 monthly

IN KIT FORM OR FACTORY ASSEMBLED



Radio Receiver Servicing

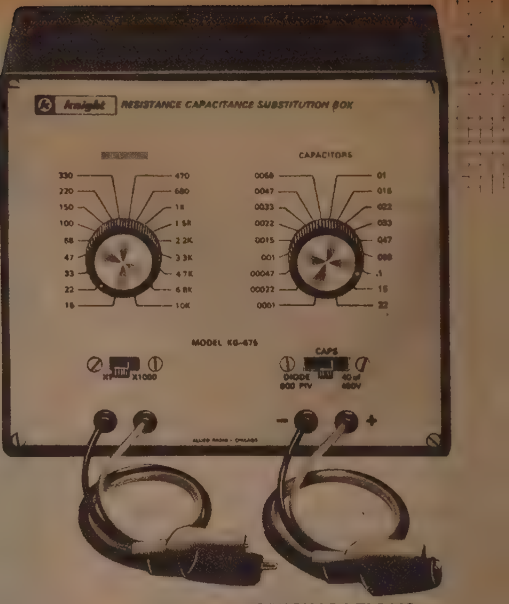
Sams publication by John T. Frye. Deals with: no reception—dead set; slight hum only; tubes light—no sound; noisy set; set that doesn't separate stations; transistor receivers, etc. 224 pages. 5½x8½". Wt., 10 oz.
83 U 134 EMW....................**2.95**

CAPACITORS

Understanding Capacitors And Their Use

Sams publication by William F. Mullin. Explains capacitor and its functions, how to replace them. 96 pp. 5½x8½". 4 oz.
83 U 267 EMW....................**1.95**

NEW from knight-kit



KG-675 Series-Parallel Resistance and Capacitance Substitution Box Kit

With Leads $16.95

36 Individual Resistance Ranges . . . 19 Individual Capacitance Ranges . . . PLUS Over 1400 Series-Parallel RC Combinations Available . . . and 750 Ma Silicon Rectifier Rated 600 PIV . . .

Great new Knight-Kit pays big dividends by saving your valuable time! Use this handy sub box for speedy determination of part values—say goodbye to hunting and searching for parts, unsoldering or re-soldering parts when substituting. Offers 36 standard-value, 1-watt ±10% tolerance resistors in two switch-selected ranges: Low, 15 ohms to 10K ohms; High, 15K ohms to 10 megohms. Has 18 tubular capacitors (±20%) with a range of .0001 to .22 mfd, 16 rated 600 v. DC, 2 at 400 v. DC. And, 1 electrolytic, 40 mfd at 450 v. DC. Also, 1 silicon rectifier rated 750 ma at 600 PIV. 4 separate leads allow simultaneous resistance and capacitance substitution, giving more than 1400 possible combinations to work with. Extremely helpful in RC networks and numerous other circuits. Size, 7½x8½x4". Black case, silver panel. Supplied complete with all parts, 4 separate test leads and detailed instructions. Shpg. wt., 2½ lbs.

83 U 960 MW. **16.95**

SPECIFICATIONS

36 Resistance Ranges: Low, 15, 22, 33, 47, 68, 100, 150, 220, 330, 470, 680, 1K, 1.5K, 2.2K, 3.3K, 4.7K, 6.8K, 10K ohms; High, 15K, 22K, 33K, 47K, 68K, 100K, 150K, 220K, 330K, 470K, 680K, 1 Meg, 1.5 Meg, 2.2 Meg, 3.3 Meg, 4.7 Meg, 6.8 Meg, 10 Meg. **Tolerance:** ±10%. **Power Rating:** 1 watt. **19 Capacitance Ranges:** .0001, .00022, .00047, .001, .0015, .0022, .0033, .0047, .0068, .01, .015, .022, .033, .047, .068, .1, .15, .22 mfd; **Tol. (.0001-.22 mfd):** ±20%. .15 and .22 mfd @ 400 VDC; balance @ 600. 40 mfd electrolytic @ 450 WVDC: **Silicon Rectifier:** 750 ma @ 600 PIV.

A

With Leads $12.95

B

With Leads $21.95 $5 monthly

A KG-680 Capacitor Checker Kit

Actually tests capacitors while they are wired in the ci
cuit! No need to unsolder—just connect the test lea
across suspected capacitor, press proper switch, and t
"Magic Eye" shows open or short condition (not leakag
Checks by-pass, blocking, coupling and filter capacito
Tests for open or short condition can be made on any c
pacitor of 20 mmf or greater capacity, even if the capacit
is in parallel with a resistance as low as 50 ohms. Te
for shorts can be made on any capacitor up to 2000 m
even when shunted by as low as 50 ohms. 7¾x5⅜x5
Black metal case, charcoal gray and silver panel. For 11
130 v., 60 cycle AC. Shpg. wt., 5 lbs.

83 U 952 MW. **12.9**

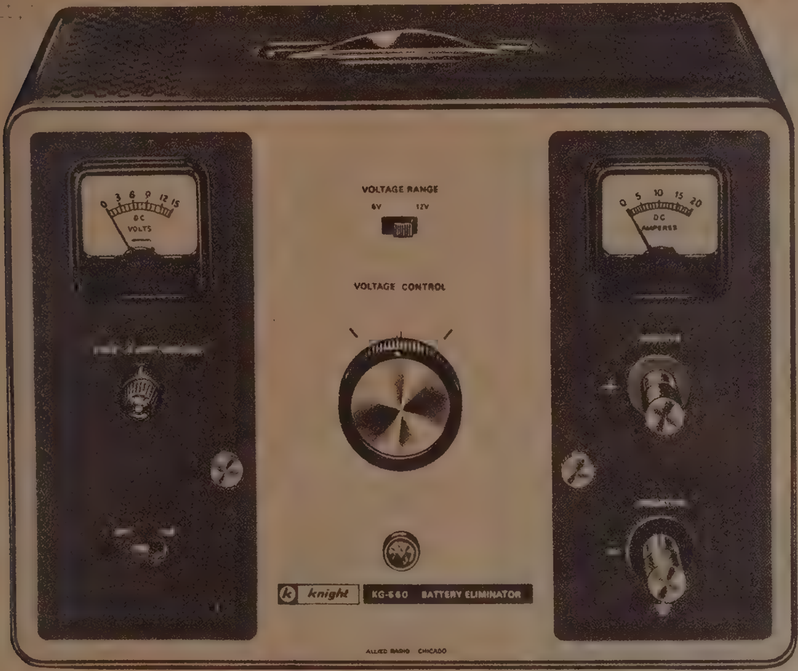
B KG-667 Flyback and Yoke Checker Kit

Race through TV deflection circuit repairs with this lo
cost kit. Checks horizontal output transformers, defle
tion yokes, linearity and width coils. Provides an accura
test of standard components. Indicates shorted turns
any coil with Q greater than 1, and inductance betwe
.003 henry and 2 henrys. Determines continuity of any ci
cuit between 0 and 0.5 megohm. 4½" multi-colored 40
microamp meter. Uses 6S4A tube in a pulsed oscillat
circuit. Transformer power supply. 7¾x5⅜x5". Black met
case, charcoal gray and silver panel. For 110-130 v., 60 cyc
AC. Shpg. wt., 6 lbs.

83 U 984 MW. *$5 Monthly*. **21.9**

eavy-Duty Low-Voltage DC Supply

WELL-FILTERED FOR TRANSISTOR SERVICING



Ideal for Citizens Band, Amateur, Aviation, Marine and Many Other Types of Mobile Equipment

KIT FORM OR ASSEMBLED

Model KG-660 Battery Eliminator and Charger Kit

Kit Form

35^{95}

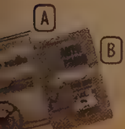
5 monthly

- Rated 15 Amps at 6 Volts; 7½ Amps at 12 Volts
- Two DC Voltage Ranges: 0 to 8 and 0 to 15 Volts
- Silicon Diode Rectifiers; Heavy-Duty 17,000 Mfd Filter
- Primary Fused; Automatic Thermal Cutout in Secondary
- For Transistorized, Vacuum-Tube or "Hybrid" Sets

portant addition to any test bench requiring a reliable source of 6 and 12-volt C power. Output is continuously variable from 0 to 15 volts, and is well ered for transistor and vacuum tube equipment. Conservatively rated comnents in its advanced circuitry give you long, reliable service. Transformer mary is fused; secondary has automatic thermal cutout for maximum protion. Two panel meters continuously monitor output voltage and current. eters are calibrated 0 to 15 v. DC and 0 to 20 amps. Has 2 ranges of variable C output; 0 to 8 volts, and 0 to 15 volts. Tests battery-operated transmitters, plifiers, marine and aircraft receivers, CB transceivers, auto radios, other obile equipment. Runs many small devices: solenoids, relays, motors, model ins, road-race sets, etc. Charges 6 and 12-volt batteries overnight. Checks st units 20% below and 25% above nominal voltage—helps locate defective intermittent vibrators and components. Black metal case, 9x12x5". Charcoal ay and silver panel. All parts, instructions. For operation from 110-130 v., 60 cle AC. Shpg. wt., 13 lbs.

U 912 MXW. *$5 Monthly*..**35.95**

U 573 MXW. Above, factory assembled. *$5 Monthly*..................**44.95**



A HOWARD W. SAMS "RAPID AUTO RADIO REPAIR" BOOK. By G. Warren Heath. Troubleshooting techniques and servicing data. 160 pages. 5½x8½". 8 oz.
83 U 232 EMW..**2.95**

B HOWARD W. SAMS "AUTO RADIO SERVICING MADE EASY" BOOK. By Wayne Lemons. How to quickly localize troubles and repair. 128 pages. 5½x8½". 12 oz.
83 U 146 EMW..**2.95**

SPECIFICATIONS

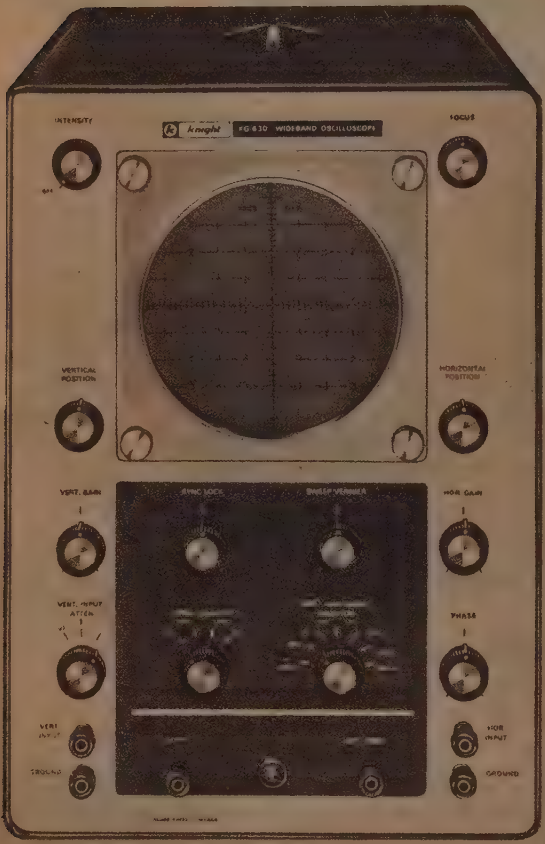
Continuous Ratings: 15 amps at 6 volts; 7½ amps at 12 volts.
Intermittent Ratings: 20 amps at 6 volts; 10 amps at 12 volts.
Variable Voltage Ranges: 0 to 8 volts; 0 to 15 volts.
Operating Voltage: from 110 to 130 volts, 60 cycle AC.
Power Consumption at Full Output: 220 watts maximum.
Protection: transformer primary—4 ampere Slo-Blo fuse; secondary—automatic 20 ampere thermal cutout with 10-second delay.
Binding Posts: color-coded, extra-heavy duty for up to #6 wire.
Rectifiers: alternator-type silicon diodes for high efficiency.
Filtering: 17,000 mfd industrial-grade filter capacitor for minimum ripple in output.
Meters: 0-15 volt; 0-20 amp; both direct-reading automotive type.
Pilot Lamp: #47 bulb.
Line Cord: 16-gauge, heavy duty.
Carrying Weight: 10 lbs., 10 oz.
Overall Dimensions (HWD): 9x12x5"; knobs extend 1".

knight-kit

TEST INSTRUMENTS

Our Lowest-Cost 5" Scope

OFFERS WIDE RESPONSE, HIGH SENSITIVITY



CHOOSE KIT FORM OR FACTORY ASSEMBLED

Includes Direct Test Leads. Optional Low-Capacity and RF Demodulator Probes Available as Kits or Factory Assembled.

KG-630 5" Wideband Oscilloscope Kit

$74.95
$5 monthly

- Wide Response: ± 3 db, 5 cps to 5 m
- Positive and Negative Locking Syr
- 1600-Volt 2nd Anode Potential
- 1-Volt Peak-to-Peak Calibrator

The top-performing KG-630 offers you so much—a
a surprisingly low price! An excellent choice for today
complex equipment—it's equally "at home" with colo
TV's as with conventional black-and-white sets. Yo
get wide sweep range, broad response and high sens
tivity—"musts" for accurate work. And, expertly de
signed circuitry teamed with quality component
assures dependable service.

Push-pull vertical and horizontal amplifiers hav
cathode-follower inputs for minimum circuit loadin
and low wave-form distortion. Choice of positive o
negative locking assures synchronization of comple
waves. Has frequency-compensated input attenuato
retrace blanking; Z-axis input; internal astigmatism
control; directly coupled positioning controls.

2 printed circuit boards and laced wiring harne
simplify assembly. 14¼x10⅛x15½". Charcoal gra
and silver panel, black metal case. Instructions. Fo
110-130 v., 60 cycle AC. 28 lbs.

83 U 913 MUW. *$5 Monthly* **74.9**
83 U 577 MUW. Above, factory assembled **99.9**
83 U 147 MW. 12-Mmf Low Cap. Probe Kit. ½ lb. **3.7**
83 U 150 MW. Above, factory assembled **4.7**
83 U 148 MW. 250-Mc RF Demod. Probe Kit. ½ lb. **3.7**
83 U 151 MW. Above, factory assembled **4.7**

KG-630 SPECIFICATIONS

VERTICAL. Sensitivity: 20 mv (rms) per inch. **Respons**
±3 db, 5 cps to 5 mc; 1 db down at 3.58 mc colo
burst freq. **Input Impedance:** X1, 2.9 megs and 2
mmf; X0.1 and X0.01, 3.4 meg and 12 mmf. **HOR**
ZONTAL. Sensitivity: 600 mv (rms) per inch. **Respons**
down 3 db at 600 kc; 4 db at 1 mc. **Z-Axis Input Sens**
tivity: −25 v. pulse for beam cutoff. **Input Impedanc**
100,000 ohms. **Sweep Gen. Range:** 15 cps to 600 k
Synchronization: int. positive, int. negative, ext., lin
freq. Locks in as high as 9 mc. **Power Supplies:** 6X4 lo
voltage rectifier with 6C4 regulator. 1V2 high voltag
rectifier—approx. 1600 volts to CRT for high inten
sity trace. **Voltage Calibrator:** 1 v. (p-p) at front pane
CRT: 5UP1.

KG-630 5" Oscilloscope Kit and Accessories Outfit

Complete
$86.50
$5 monthly

Here's everything you need for speedy service jobs requiring a dependable, time-proven scope. Outfit includes: **Knight-Kit KG-630 5" Wideband Oscilloscope Kit; 12-Mmf Low-Capacity Probe Kit; 250-Mc RF Demodulator Probe Kit; and Two Helpful Sams Books—"Know Your Oscilloscope" and "Trouble-Shooting With Oscilloscope."** 30 lbs.

85 U 014 AL2MUW. *$5 Monthly* **86.50**
85 U 090 AL2MUW. Above, with factory assembled KG-630 Scope and Probes. *$6 Monthly* **112.95**

KG-676 Voltage Calibrator K

$14.95

Makes your scope an accura
peak-to-peak reading A
voltmeter. Generates wid
band square wave signals
known value. Calibrates scop
displays; determines ampl
tude of unknown signals. Va
iable output, .01 to 100 volt
Switch for comparing exte
nal signals. 7⅛x5⅜x4¼". In
structions. For 110-130 v., 6
cycle AC. 5 lbs.
83 U 982 MW. **14.9**

est Equipment Outfits for Accurate Servicing

CHOICE OF KIT FORM OR ASSEMBLED

"Starter" Test Equipment Kit Outfit

deal for Preliminary Trouble-Shooting of
Radios, Appliances, Hi-Fi and TV
ube Tester Checks More Than 2300 Types
/TVM Reads Peak-to-Peak AC Volts Directly;
Features ½-Volt Full-Scale DC Range

Kit Form
$75^90
$5 Monthly

Tube Tester and VTVM Kit Outfit

night-Kit KG-600B Portable Tube Tester Kit; (B) Knight-Kit KG-625
e 6″ VTVM Kit. Tube tester checks over 2300 types including nu-
rs, compactrons, novars, 10-pins, pilot lamps. Gas, open, short,
ion, continuity tests. 3-color, 4½″ meter. 16 filament voltages,
o 117 v. Illuminated roll chart, wood case. 6½x14½x10½″.
M has 6″ full-view meter, color-correlated scales; ½-v. full-scale
ange; gimbal bracket; single switchable probe. 8 DC and 7 AC
ranges, 0-1500 v. (separately calibrated 1.5, 5 v. AC scales). 7 AC
ranges, 0-4200 v. (separately calibrated 4.2, 14 v. scales). 7 resist-
ranges, 0 ohms to 1000 megs. Steel case, 7¾x12x5½″. For 110-
., 60 cycle AC. Shpg. wt., 22 lbs.

401 AL2MXW. *$5 Monthly*.......................... **75.90**
421 AL2MXW. Above, factory assembled. *$6 Monthly*..... **117.90**

termediate Test Equipment Kit Outfit

it
n $99^50 $5 monthly

Initial Trouble-Shooting
Plus AM/FM/TV Alignment

hoice for initial trouble-shooting, full-range align-
and circuit signal tracing. Here's what you get:
**night-Kit KG-600B Portable Tube Tester Kit; (D) Knight-
G-625 Deluxe 6″ VTVM Kit; (E) Knight-Kit KG-650 RF
Generator Kit.** KG-650 has fundamental output
160 kc to 112 mc on 5 bands; usable calibrated
onics to 224 mc. 3 outputs: modulated, unmodu-
RF, 400 cps sine wave (over 10 volts). Has precision-
d coils in Colpitts circuit; transformer operated.
case, 7¼x10⅛x5¼″. For 110-130 v., 60 cycle AC.
wt., 30½ lbs.

402 AL3MXW. *$5 Monthly*................ **99.50**
422 AL3MXW. Above, factory assembled.... **149.95**

Deluxe Test Equipment Kit Outfit

In Kit Form $176^80 $9 monthly

Carefully selected to make service work easier and faster. Includes: **(F) Knight-Kit KG-600B Portable Tube Tester Kit; (G) Knight-Kit KG-625 Deluxe 6″ VTVM Kit; (H) KG-635 5-Inch DC to 5.2 Mc Wideband Oscilloscope Kit and Direct Test Leads.** KG-635 fulfills practically every service and test requirement. Great for color TV and wideband work. Has calibrated sensitivity marked directly in volts (.05 to 50); automatic astigmatism for uniform focus regardless of trace position on screen; many extras. Steel case, 11⅞x7⅞x15⅞″. For 110-130 v., 60 cycle AC. Wt., 51½ lbs.

85 U 423 AL3MUW. *$9 Monthly*............. **176.80**
85 U 425 AL3MUW. Above, factory assembled... **267.95**

Our Finest Test Equipment Kit Outfit

cludes VTVM, Tube Tester, RF Signal Gen-
erator and Wideband Oscilloscope Kits
verything Needed to Analyze and Service
Virtually All Types of Electronic Gear

In Kit Form $199^75
$10 monthly

est for performance and value, this outfit puts you in command of
types of service work. Includes: **(J) Knight-Kit KG-600B Portable
Tester Kit; (K) Knight-Kit KG-650 RF Signal Generator Kit; (L) Knight-
G-635 5-Inch DC to 5.2 Mc Wideband Oscilloscope Kit and Direct Test
; (M) Knight-Kit KG-625 Deluxe 6″ VTVM Kit.** All kits supplied complete
parts, wire, solder, plus detailed assembly instructions. For 110-
., 60 cycle AC. Shpg. wt., 60 lbs.

424 AL4MUW. *$10 Monthly*.......................... **199.75**
426 AL4MUW. Above, factory assembled. *$15 Monthly*...... **299.95**

cifications on Each Item Elsewhere in This Section

New Oscilloscope Has
DC to 5.2 Mc Bandwidt

KG-635 Oscilloscope Kit Outfit and Accessories

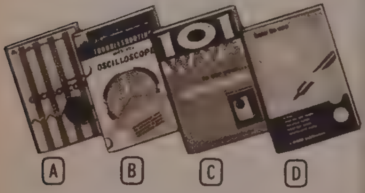
$109.95
$6 monthly

Complete outfit helps you do speedy, profitable service jobs. You save $3.95 off cost of items purchased separately. You get: **Knight-Kit KG-635 Wideband Oscilloscope Kit; Direct Test Leads with clips, insulators and double plug; 12-Mmf Low-Capacity Probe Kit; 250-Mc RF Demodulator Probe Kit; Two Howard W. Sams Books: "Know Your Oscilloscope" and "Troubleshooting with the Oscilloscope" (both described below).** With step-by-step instructions. Shpg. wt., 28 lbs.

85 U 079 AL2 MUW.........**109.95**

85 U 080 AL2 MUW. Save $3.95. Above, but with oscilloscope and probes factory assembled. *$9 Monthly*....**161.95**

Helpful Servicing Books



A **83 U 235 EMW.** **Know Your Oscilloscope.** By P. C. Smith. Power Supplies; Radio-TV Alignment; RF Tuners; etc. 160 pages. 5½x8½". Shpg. wt., 8 oz..................**2.00**

B **83 U 236 EMW.** **Troubleshooting with the Oscilloscope.** By R. G. Middleton. Chapters: Oscilloscope Probes; Signal Tracing; Visual Alignments; etc. 160 pages. 5½x8½". 8 oz.....**2.50**

C **83 U 189 EMW.** **101 Ways to Use Your Oscilloscope.** 400 illus. 180 pages. 5½x8½". 8 oz..................**2.50**

D **83 U 190 EMW.** **How to Use Test Probes.** Covers probes with scopes, VOM's, VTVM's. 172 pp. 5½x8½". Shpg. wt., 8 oz.....................**2.90**

KG-635 5-Inch Wideband Oscilloscope Ki

Kit Form
$99.95
$5 monthly

- Unique Dynamic Sync Limiter Assures Uniform Traces
- Vertical Attenuator Directly Calibrated in Volts/Inch
- Stable Sweep—Uses Polystyrene and Mylar Capac
- Compact Modern Styling—Occupies Minimum Bench Sp

Our newest scope fulfills virtually every service and test requiremen
wide variety of features mean extra-fast and profitable color TV servicin
and there are endless applications in service shops, schools, produc
lines, and home hobby corners. Superior circuit design, combined with
finest component parts, gives you day in and day out reliability. Com
size saves valuable bench space.

You get stable waveform displays, even at highest frequency limits, tha
to the KG-635's excellent linearity and lock-in characteristics. Freque
determining capacitors in the sweep circuit are either polystyrene or m
types for the best stability. Powerful 1650-volt accelerating poten
means really sharp, bright displays. Retrace blanking. Five linear time
ranges plus Dynamic Sync Limiter, a unique Knight-Kit developm
assure perfect uniform traces under all conditions. Even uses special
inductive metal film type power resistors!

Automatic Astigmatism Correction gives uniform focus regardless
trace position on the screen. Positive-lock 5-way binding posts with sta
ard ¾" spacing accept GR-type double plugs. Series/shunt peakin
amplifiers provide wideband response. A push-pull On-Off/Focus con
eliminates need for resetting focus when turning scope on. Has calibra
vertical attenuator control, two regulated power supply potent
Z-axis, input tapped primary on power transformer for optimum perfo
ance, pilot light. Calibration controls are all accessible—you never rem
case. And you need no test gear for calibrating. Graticule has X an
linear grids. Black metal case, charcoal gray and silver front panel, b
knobs. With all parts, tubes, CRT, instructions and assembly man
Less test leads and probes, below. Shpg. wt., 29 lbs.

83 U 979 MUW. *$5 Monthly*..............................**99.**

83 U 531 MUW. Above, factory assembled. *$8 Monthly*..........**14**

KG-635 ACCESSORIES

83 U 152 MW. Direct Test Leads. Assembled. 6 oz....................

83 U 147 MW. 12 Mmf Low-Capacity Probe Kit. ½ lb....................

83 U 150 MW. Above, factory assembled....................

83 U 148 MW. 250-Mc RF Demodulator Probe Kit. ½ lb....................

83 U 151 MW. Above, factory assembled....................

KG-635 SPECIFICATIONS

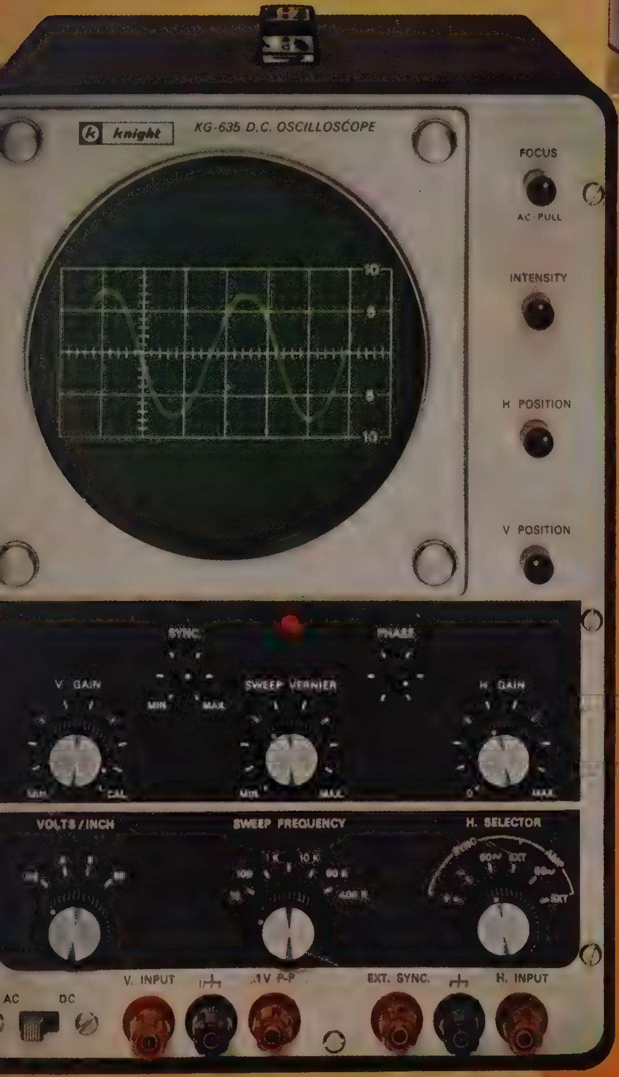
VERTICAL. Sensitivity: 17 mv. rms/inch (7 mv rms/cm) minimum.
Calibrated at .05 v. p-p/inch. **Response:** ±1.5 db, DC to 5.2 mc.
Color Bandpass: ±0.5 db. **Overshoot:** below 6%. **Rise Time:** 70 nsec.
Input Impedance: 3 megs shunted by 35 μμf. **Positioning:** ±2 inches.
Attenuator: frequency compensated, calibrated, .05, .5, 5, and 5
volts p-p/inch. **HORIZONTAL. Sensitivity:** 0.6 v. rms/inch. **Response**
±1.5 db, 1 cps to 400 kc. **Expansion:** 2 times. **Positioning:** all parts
visible. **Inputs:** internal time base, 60 cps phase controlled, and external. **Input Impedance:** 7 megohms shunted by 25 μμf. **Linear Time
Base Ranges:** (5) 10-100 cps; 100-1000 cps; 1 kc-10kc; 10kc-90 kc; 9
kc-400 kc. **Synch:** Internal + and −, 60 cps, and external. Sync
limiting provides semi-automatic operation with level control. Locks
from waveform fundamentals up to 5 mc, and display amplitudes a
low as 0.1 inches. **External Sync Sensitivity:** 150 millivolts rms at 1 kc.
Line Sync: phase variable. **GENERAL: Calibration Voltage:** 60 cps
sinusoidal, 100 mv. p-p, ±5%. Available at front panel jack. **Z-Axis Input:** 10 volts neg. for beam cutoff. **Input Imp.:** 1 meg. Tubes:
9, plus CRT, and 2 rectifiers. **Size:** 11⅞x7⅞x15⅞". **Power Requirements:** 110-130 v., 50-60 cycle AC, 112 watts.

Outfit Your Shop on Allied's Credit Fund P

rfect for Color TV Servicing
d General Wideband Testing

NEW from **knight-kit**

EXCEEDS THE CRITICAL DEMANDS
OF COLOR TV . . . COMPACT DESIGN
SAVES VALUABLE BENCH SPACE


knight
KG-635 D.C. OSCILLOSCOPE
FOCUS
AC-PULL
INTENSITY
H POSITION
V POSITION
SYNC
PHASE
V. GAIN
SWEEP VERNIER
H. GAIN
MIN
MAX
CAL
VOLTS/INCH
SWEEP FREQUENCY
H. SELECTOR
V. INPUT
.1V P-P
EXT. SYNC.
H. INPUT
AC
DC

Also Available Factory Assembled

Compare Features . . . Then Compare Price

Kit Form

$99.95

$5 monthly

Dynamic Sync Limiter
assures uniform traces

Five Linear Time Base Ranges
most others have three or four

Calibrated Vertical Attenuator
directly reads volts-per-inch

Polystyrene & Mylar Capacitors
assure sweep stability

1650 Volt Potential on CRT
means sharp bright displays

Auto Astigmatism Correction
sharply focuses any trace

Easily and Quickly Calibrated
without auxiliary equipment

KG-2000 DC to 5-Mc Scop

SKILLFULLY ENGINEERED . . .

HIGHEST ACCURACY . . .

PERFORMANCE PROVEN . . .

MODESTLY PRICED . . .

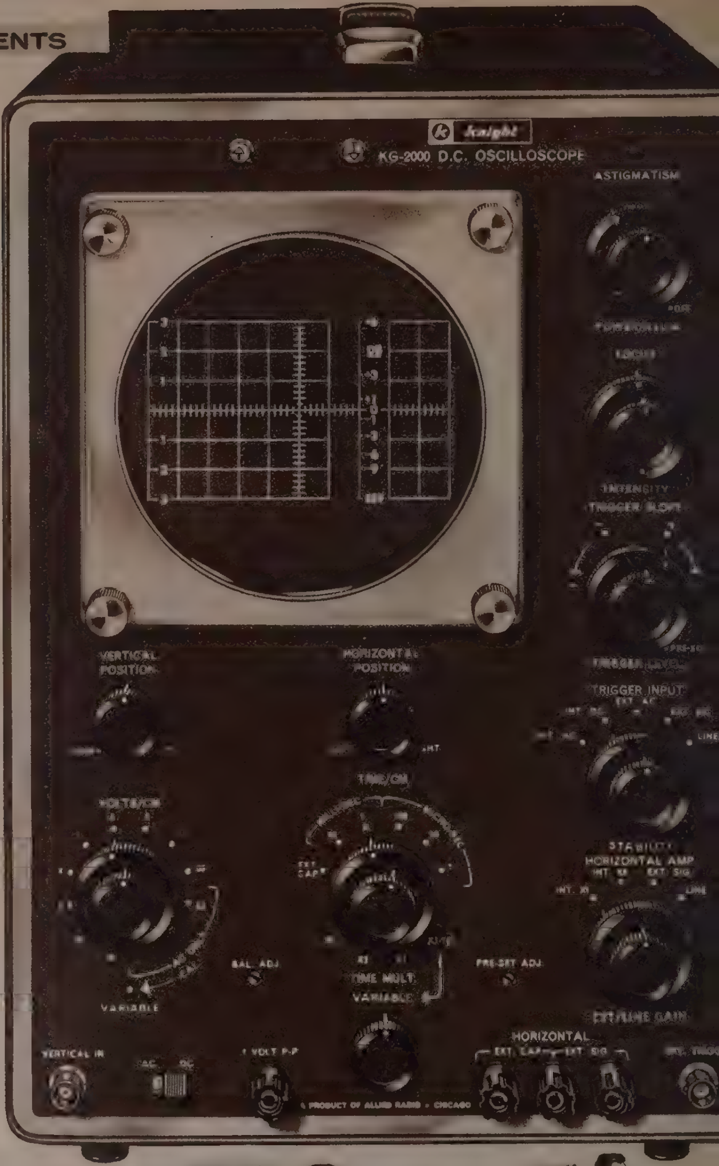
In Kit Form

$199.50

$10 monthly

meets or exceeds the requirements of both industry and laboratory . . . represents your finest value in a do-it-yourself professional instrument!

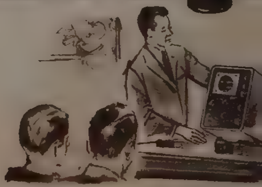
IN KIT FORM OR ASSEMBLED


knight
KG-2000 D.C. OSCILLOSCOPE
ASTIGMATISM
FOCUS
INTENSITY
TRIGGER SLOPE
TRIGGER LEVEL
TRIGGER INPUT
VERTICAL POSITION
HORIZONTAL POSITION
VOLTS/CM
TIME/CM
STABILITY
HORIZONTAL AMP
BAL. ADJ.
PRE-SET ADJ.
TIME MULT.
VARIABLE
VARIABLE
EXT/LINE GAIN
HORIZONTAL
EXT. CAP
EXT. SIG
VERTICAL IN
AC
DC
1 VOLT P-P
A PRODUCT OF ALLIED RADIO • CHICAGO

RECOMMENDED FOR:

Industrial Servicing Where Day-In Day-Out Dependability Is Needed

At-Home Engineering Where Professional Performance and Minimum Cost Are "Musts"



Classroom Study Where Simplici Operation and Accuracy Are Req

. . Our Finest Instrument for Laboratory or Shop

ITH SWEEP RANGE, RESPONSE AND SENSITIVITY FOR COMPLEX EQUIPMENT

rofessional Performance and Features at a Very Low Price!

In Kit Form **$199⁵⁰** $10 monthly

Model KG-2000 DC to 5-Mc Laboratory Oscilloscope Kit

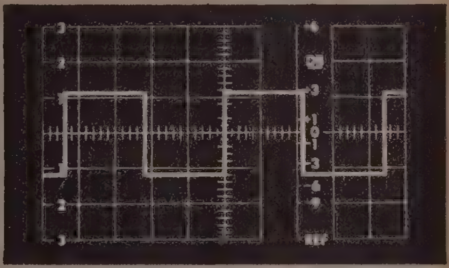
- **85 Nanoseconds Rise Time**
- **Vertical Off-Scale Position Indicators**
- **DC-Coupled Vertical and Horizontal Amplifiers**
- **Flat-Face 5-Inch CRT With P2 Phosphor**
- **Horizontal Response from DC to 500 kc**
- **Triggered Sweep—200 Nsec/cm Down to .1 Sec.**
- **Regulated High and Low-Voltage Power Supplies**
- **Shunt-Series Peaking for Arcurate Pulse Response**

gher accuracy, greater reliability and more precise gineering are vital test equipment necessities in this ace-age. In answer to these needs, Knight-Kit developed KG-2000 DC to 5 Mc Oscilloscope, with performance t satisfies virtually any lab or shop requirement. gineers and technicians find this professional instrument ceeds in applications that previously called for far re expensive equipment.

to 5 mc vertical amplifier response permits the display pulses of fast rise time. Both trigger and amplifier circuits DC coupled throughout for uses where very low quencies or DC levels must be displayed. Vertical off- le indicators provide maximum convenience in viewing ces. Horizontal positioning is such that pattern is never npletely off-scale left or right—even with external signals. eset lock-in eliminates the need to synchronize sweep h input signals of various amplitudes or frequencies. eset may be disabled; a separate control locks in any rtion of a signal (on either negative or positive slope). signal as small as ½ cm on the CRT face will permit ggering. Sweep range adjustable from 200 nanoseconds/ down to .1 second/cm. External capacitor can be nnected to front-panel binding posts for slower sweep eds. Sweep timing accuracy capability within 3%.

mera mounting studs for standard camera mounts; -loss BNC-type connectors. 6x10 cm CRT display area h scale calibrations of +6 to −9 db; x and y linear grid. justments for intensity, focus, astigmatism, positioning d graticule illumination. Color-correlated controls uped by function for fast, accurate use. Circuit employs tubes, plus flat-face 5" CRT with P2 phosphor, and 7 des. 14¼x10⅛x15½". Black case; dark gray panel with ite and red markings. Instructions and set of direct test ds. 175 watts. For 110-130 v., 50-60 cycle AC. Shpg. ., 39 lbs.

U 910 MUW. *$10 Monthly*	**199.50**
U 575 MZW. Factory Assembled. Express	**299.95**
U 949 MW. Wired Low-Cap Probe. Wt., 1 lb.	**20.00**



Excellent Lock-In Characteristics and Linearity Allow Viewing Stable Waveform Presentations Even at Upper Frequency Limits . . . Fulfills Practically Every Scope Need

KG-2000 SPECIFICATIONS

Vertical Bandwidth on DC: DC to 5 megacycles, 3 db down. Less than 2% overshoot on a 500-kc square wave. Reference to 1 kc, with vertical display height of 6 cm, and sensitivity from .05 v/cm to 20 v/cm.
Vertical Bandwidth on AC: With AC preamp in .005, .01 and .02 v/cm ranges, 5 cps to 1.5 mc, 3 db down. Reference to 1 kc and vertical display height of 6 cm. On ranges from .05 to 20 v/cm, AC response is 5 cps to 5 mc, 3 db down.
Rise Time: 85 nanoseconds, vertical display height of 6 cm or less.
Vertical Sensitivity: DC coupled, .05 volt P-P/cm; AC coupled, .005 volt P-P/cm.
Input Impedance: 1 meg shunted by 40 mmf.
Calibration Voltage: .1 volt P-P, regulated ±5% output available at front panel.
Horizontal Bandwidth: DC to 500 kc, within 3 db down.
Horizontal Sensitivity: Approximately .15 volt/cm. Variable attenuator on front panel.
Input Impedance: 1 megohm.
Sweep Range: .05 sec/cm to 200 nsec/cm in 16 ranges by use of basic sweep ranges (10 millisec, 1 millisec, 100 microsec, 10 microsec, 1 microsec) and multiplier switch plus X5 expansion. 10:1 multiplier vernier control; extends slowest sweep speed to .1 sec/cm. Provision for external capacitor for very slow sweeps. Sweep timing accuracy capability within 3%.
Triggering: Sensitivity, 200 mv external; ½ cm defection internal. Inputs, line; external AC and DC; internal AC and DC. Level adjustable for triggering, or may be preset.
Active Elements: 21 tubes plus flat-face 5" CRT with P2 phosphor and 7 diodes.
Power Requirements: Operates from 110-130 v., 50-60 cycle AC.
Power Consumption: 175 watts.

ight-Kit Lab Scope Meets or Exceeds Industry Standards

knight-kit

CITIZENS BAND RADIO

For Dependable CB Communications

MODEL C-560 5-WATT CB TRANSCEIVER KIT

Engineered for Building Ease, Convenience of Operation and Reliable Performance

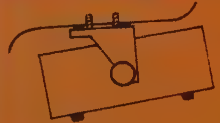
Universal Model

110-130 v. AC/12 v. DC

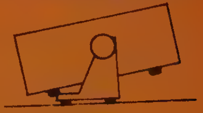
$89.95 Each

$5 monthly

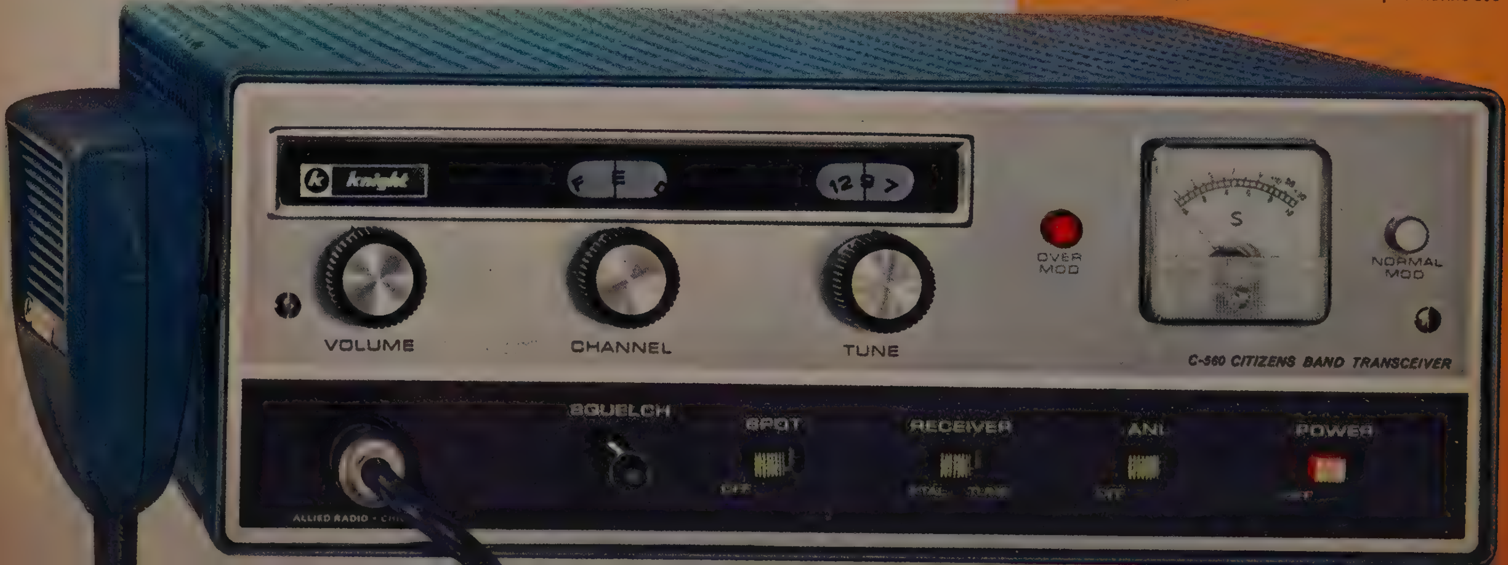
Optional Gimbal-Type Mounting Bracket



For Extra-Convenient Under-Dash Mounting in Mobile Applications



Provides a Convenient Slope for Easy Operation in Table-Top or Marine Use


knight
12
OVER MOD
S
NORMAL MOD
VOLUME
CHANNEL
TUNE
C-560 CITIZENS BAND TRANSCEIVER
SQUELCH
SPOT
RECEIVER
ANL
POWER
ALLIED RADIO • CHI

C-560 Deluxe 5-Watt Citizens Band Transceiver

Preassembled and Tuned Nuvistor RF Stage for High Sensitivity and Low Noise

Automatic Switched "S" and RF Output Meter

Normal and Over-Modulation Indicators

Noise-Canceling Ceramic Microphone

Spot Switch Pinpoints Operating Channel

Six-Position Crystal Switch

Continuous Tuning of All 23 Channels

Solid-State Power Converter

Universal Model

$89.95 Each

$5 monthly

- Universal Model for 110-130 Volt AC Base Use and 12 Volt DC Mobile Operation
- Superhet Receiver Has Preassembled and Tuned Nuvistor RF Stage for Superb ½ Microvolt Sensitivity
- 6 Crystal-Controlled Transmit/Receive Channels Plus 23-Channel Manual Tuning
- Solid-State Power Supply—Quieter Mobile Operation By Elimination of Vibrator
- Noise-Canceling Push-to-Talk Ceramic Microphone; Built-In Speaker; Spot Switch

UNIVERSAL MODEL. Ideal for the hard-to-please Citizens Band operator who must have top-notch fixed and mobile communications—home, car, truck, plant or office. Recommended for commercial and industrial applications where day-in, day-out dependability is a necessity. Excellent for boating and other marine uses, too.

Provision for 6 switch-selected, crystal-controlled transmit/receive channels. Superhet receiver has nuvistor RF stage, 2-stage IF, adjustable squelch, AVC, 23-channel manual tune, switchable ANL. Tuning dial, channel switch and meter are illuminated.

Efficient, fully modulated transmitter has 5-watt input with link-coupled output for impedance match to any 50-ohm line. Gives up to 20-mile range over ideal terrain. Tunable TVI trap, too. Circuitry features adjustable mike gain control; normal and over-modulation indicators for best speech clarity. Microphone clips to side of transceiver case when not in use.

Built-in power supply has solid-state DC power converter for quieter mobile operation. Individually fused for AC and DC use. With detailed instructions and mike. Less crystals, bracket, below. 19 lbs.
83 U 835 MUW. *$5 Monthly*....................**89.95**

STANDARD MODEL. As above, except for 110-130 v., 60 cycle AC fixed-station use only. Wt., 18 lbs.
83 U 836 MUW. *$5 Monthly*....................**84.95**

CRYSTALS. *Specify Channel 1-23.* Wt., 3 oz.
83 U 046 CMW. Transmit. C-560 takes up to 6...Each 2.50
83 U 045 CMW. Receive. C-560 takes up to 6....Each 2.50

CIVIL AIR PATROL CRYSTALS. Shpg. wt., 3 oz.
83 U 043 MW. Transmit..............................**2.50**
83 U 042 MW. Receive...............................**2.50**

GIMBAL MOUNTING BRACKET. For under-dash, table-top, marine installation. Provides convenient slope for extra-easy transceiver operation. With hdwe. 3 lbs.
83 U 010 MW.......................................**4.95**

C-560 TRANSCEIVER SPECIFICATIONS

RECEIVER SECTION

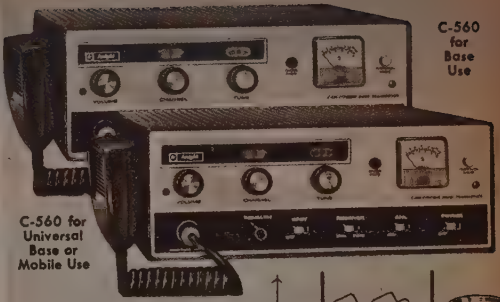
Sensitivity: ½ microvolt for 10 db signal-to-noise ratio. **Selectivity:** 6 db down at 6.5 kc. **Adjacent Channel Rejection:** 50 db. **IF:** 2-stage, 1650 kc. **Audio Output:** 2.5 watts into built-in 3" speaker.

TRANSMITTER SECTION

RF Output Power: 3 watts. **Modulation:** amplitude modulated plate and screen. **Output Impedance:** link coupled, matches 50-ohm lines. **Termination:** SO-239 coaxial connector. **TVI Suppression:** 54-mc. tunable harmonic trap.

GENERAL

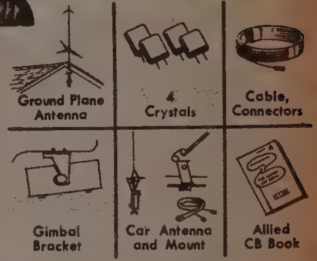
Operating Controls: Power; Squelch; Receiver Tune/Xtal; Spot-On/Off; Volume; Channel Selector; Receiver Tuning; ANL-On/Off; Press-to-Talk Switch on Microphone. **Tube Complement:** 1 each of the following, 6CX8, 6KE8, 6BC7, 6AN8 and 12AQ5; 2 each of 12BA6 and 6CW4 Nuvistor; Semiconductors, 4—Diodes, 2—Transistors. **Power Requirements:** 110-130 volts, 60 cycle AC or 12.6 volts. **Power Consumption:** DC, 5 amps; AC, 70 watts. **Overall Dimensions:** $4\frac{3}{4}$x$11\frac{1}{2}$x$10\frac{1}{2}$". **Microphone:** push-to-talk ceramic, with coiled cord.



Complete 2-Station Outfit

$209.95

$11 monthly



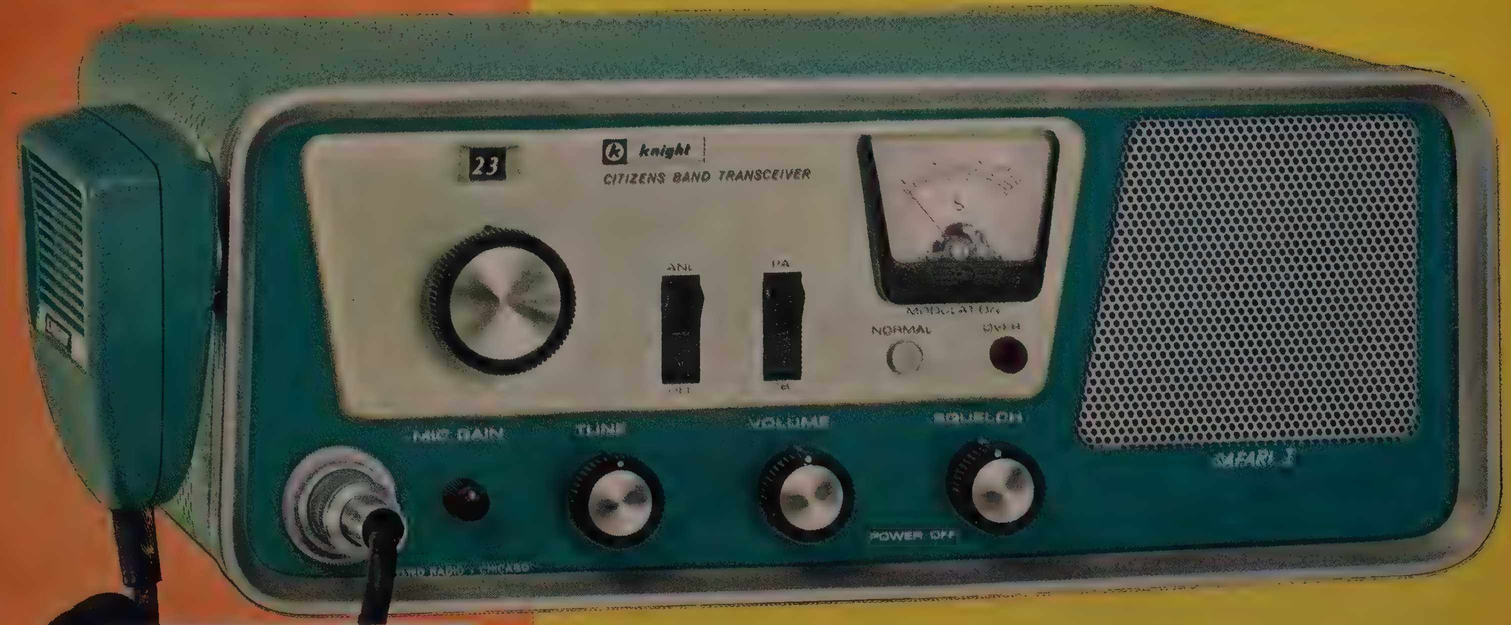
C-560 Base-to-Mobile Outfit

Top value for deluxe Citizens Band performance! Easy-to-assemble outfit priced $13.80 below the cost of components purchased separately. Provides you with 2-way communications between home, office, car or boat at distances of up to 20 miles. Here's what you get: **Two Knight-Kit C-560 Deluxe 5-Watt Citizens Band Transceiver Kits (1 Standard and 1 Universal Model); Choice of Any 2 Transmit and 2 Receive Crystals; Gimbal Mounting Bracket; Knight KN-2576 102" Stainless Steel Mobile Whip Antenna with Spring Bumper Mount, Cable, and Gutter Clip; Knight KN-2570 Base Station Ground Plane Antenna; 50-Ft. Foam Coax Cable and Connectors; and Allied's Own "Understanding and Using CB Radio" Book.** *Specify Channel 1-23.* Shpg. wt., 66 lbs. Shipped express.
85 U 303 AL6MZW. *$11 Monthly*........**209.95**

NEW from **knight-kit**

SAFARI I . . . Our Finest Transceiver Kit

COMPLETE 23-CHANNEL CRYSTAL CONTROL


23
knight
CITIZENS BAND TRANSCEIVER
ANL
PA
MODULATION
NORMAL
OVER
MIC GAIN
TUNE
VOLUME
SQUELCH
POWER OFF
SAFARI I
ALLIED RADIO • CHICAGO

Universal Power Supply for
110-130 v. AC/12 v. DC

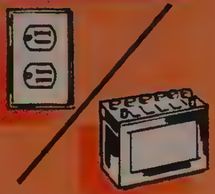
$129^95 $7 monthly

Offering You Superb 2-Way Citizens Band Communications—Both Fixed and Mobile

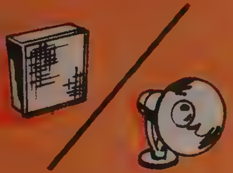
DESIGNED FOR EXACTING BUSINESS OR PERSONAL APPLICATIONS

DELUXE FEATURES

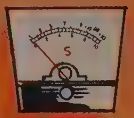
Preassembled and Aligned Frequency Sythesizer has All Crystals for 23-Channel Transmit and Receive



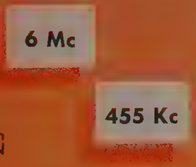
Operates from Fixed Base at 110-130 v. AC, or at 12 v. DC as Mobile. Separate AC/DC Cables Included



Powerful, Switch-Selected 2.5-Watt P.A./Monitor Function Can Be Used with Optional Paging Speaker



Illuminated, Automatically Switched Meter Reads Relative RF Output and Signal Strength in "S" Units



Dual-Conversion Superhet Receiver Offers Excellent Selectivity, Maximum Gain and Minimum Noise

NORMAL
OVER

Front-Panel Normal and Over-Modulation Indicators Clearly Show Speech Clarity At a Glance

$129.95 $7 monthly

- Selective Dual-Conversion Superhet Receiver Has Excellent 0.5 μv Sensitivity
- Circuitry Uses Exceptionally Low Noise Nuvistor RF Stage for High Gain
- Receiver Tune Control Circuit Brings in Stations ±1 kc Off Frequency
- PA/CB Switch Allows Direct Connection to External Speaker for Paging Feature
- Solid-State Mobile Power Supply Eliminates Annoying Vibrator Interference

Finest Citizens Band transceiver kit you can buy! First 23-channel kit ever offered, the Safari I brings you performance and reliability previously available only in far more expensive factory assembled models. Preassembled and aligned frequency synthesis circuitry provides full crystal-controlled transmit and receive—no crystals to buy. And, there's no fumbling with a cluttered control panel. Merely turn channel selector to desired channel. Illuminated window indicates channel in use, and you always transmit and receive on the same channel.

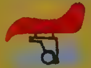
Selective dual-conversion superhet receiver section has nuvistor RF stage for top-notch 0.5 microvolt sensitivity and extremely low noise. The receiver tune circuit brings in stations as much as ±1 kc off frequency. Adjustable squelch silences receiver between calls. Squelch control also includes power on/off switch; volume level can be set once to any predetermined setting and then remain untouched. Modern rocker switches control ANL off/on and PA paging or CB operation. In PA mode, powerful 2.5 watt audio output drives optional remote speaker—or monitors incoming calls over same speaker.

Stable, 5-watt transmitter section offers 100% modulation capability. Has press-to-talk noise-canceling microphone with coil cord. Mike gain control plus normal and over-modulation indicators on front panel. Illuminated S meter automatically switches to relative RF output in transmit function. Adjustable pi-network output matches 45 to 95 ohm loads; also has adjustable harmonic trap for minimum TVI. Relay-operated transmit/receive.

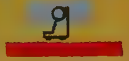
All tubes and crystals held in place by spring hold-downs for trouble-free mobile operation. Has heavy-duty captive-type connectors; solid-state mobile power supply to eliminate vibrator "hash"; built-in front-facing 4" PM speaker; well-ventilated and rugged dawn-blue steel case. Size, 5x13x10½". Sea-blue and silver panel. For universal operation from 110-130 v., 60 cycle AC and 12 v. DC (with separate AC and DC power cords—mobile power plug fits car's cigarette lighter). Shpg. wt., 19 lbs. *Available November 15, 1965.*

83 U 809 MXW. *$7 Monthly*............... **129.95**

Gimbal Bracket for Universal Mounting



For Under-Dash Mounting in Mobile Installations



Slopes for Convenient Table-Top Mounting

Provides a convenient slope for extra-easy operation in table-top or marine installation. Also simplifies under-dash mounting in any mobile application. Includes mounting hardware. Wt., 2½ lbs.

83 U 059 MW............................ **5.95**

TRANSCEIVER SPECIFICATIONS

RECEIVER SECTION

Sensitivity: .5 μv for 10 db S/N. **Selectivity:** 7 kc at 6 db down points. **Dual Conversion IF Frequencies:** 6 Mc and 455 Kc. **Adjacent Channel Rejection:** more than 40 db. **Range of Tune Control:** ±1 kc. **Image Rejection:** better than 50 db. **Audio Output:** better than 2.5 watts.

TRANSMITTER SECTION

Power Input to Final: full legal 5 watts. **Power Output:** better than 3 watts. **Modulation:** 100% capability. **Hum and Noise:** at least 42 db down. **Antenna Match:** Pi Network. **Impedance:** 45 to 95 ohms. **Synthesizer Frequency Accuracy:** better than .005%.

GENERAL

Active Elements: 12 tubes, 3 diodes and 2 transistors for 19-tube performance. **Power Required:** 110-130 v., 60 cycle AC at 60 watts; 12.6 v. DC at 4.6 amps. **Controls:** Mike Gain, Tune, Volume, Power Off-On/Squelch, ANL Off/On, PA/CB, Channel Selector.

For Lowest Cost Reliable CB Communications .

CHOOSE OUR NEW C-540 5-WATT CITIZENS BAND TRANSCEIVER KIT!

You Get Performance and Features Previously Found Only in Much Higher Priced CB Transceivers . . .

Rugged, Push-to-Talk Ceramic Microphone

Variable Squelch Control Assures Silent Standby

1
3
5
8
11
14
17
20
23

23-Channel Vernier Tuning With Illuminated Dial

Switched, Series-Gated Automatic Noise Limiter

On/Off Switch Doesn't Affect Volume or Squelch

Front-Panel Crystal Socket Allows Quick Changes

Universal Model For 110-130 VAC and 12 VDC

49^{95}

$5 monthly

C-540 for Simplicity of Operation with High-Quality Performance . . Recommended for Inexpensive, Dependable Marine Communications . . Well Suited for Economical Auto or Truck Applications—Ideal for Use in the H.E.L.P. Program

A super value! Knight-Kit's lowest price ever for a full 5-watt transceiver boasting a superhet receiver plus a *universal* power supply. For those w demand reliable performance, operating ease, and high quality, all at an e ceptionally low price. Compact size and a built-in dual power supply (for 110-1 VAC or 12 VDC) make the C-540 the number-one choice for most CB'e

Superhet receiver requires no crystals, tunes all 23 channels. Has 2 µv sensitiv for 10 db S/N ratio. Selectivity is 7½ kc at 6 db down, important for go adjacent-channel rejection in big cities. Temperature-compensated circuit designed to prevent drift. Switchable series-gate noise limiter reduces igniti noise and other pulse-type interference. AVC helps stop fading and blastin Continuously variable squelch for silent standby.

Efficient single-channel crystal-controlled transmitter provides maximum watt input. Front-panel socket lets you change transmit channel by mere plugging in another crystal. Link-coupled output matches nominal 50-oh antenna impedances. Electronic antenna switching. Ceramic mike clips to si of transceiver when not in use. Controls: volume, adjustable squelch, receiv tuning. Switches: automatic noise limiter, on-off, push-to-talk on mike. Us 6 tubes (for 11-tube performance) and 2 silicon diodes. Simplified point-t point wiring. 4⅝x10⅞x6⅝". Complete with wire, solder, instructions, FC license application. Less crystal, below. For 110-130 v., 60 cycle AC, 12 v. D Shpg. wt., 13 lbs.

83 U 825 MXW. *$5 Monthly* **49.9**

83 U 827 MXW. Standard C-540. As above, but for base use from 110-130 v., cycle AC only. Shpg. wt., 11 lbs. *$5 Monthly* .... **44.**

83 U 009 MW. Mobile Mounting Bracket. Wt., 4 lbs. .... **4.**

83 U 046 CMW. Transmit Crystal. *Specify Channel 1-23.* 3 oz. .... **2.**

C-540 SPECIFICATIONS

RECEIVER SECTION. Coverage: channels 1-23, continuously tunable. **Circuit:** superheterodyne with 455-kc IF. **Sensitivity:** 2 microvolts for 10 db S/N. **Selectivity:** 7.5 kc at 6 db down. **Noise Limiter:** series gated, switchable. **Squelch:** continuously variable. **Automatic Volume Control:** built into circuit. **Audio Output:** 2.5 watts. **Speaker:** 3" communications type.

TRANSMITTER SECTION. Input to Final: 5 watts. **Type of Output:** fixed link coupled. **Antenna Impedance:** 50 ohms nominal. **Crystal Position:** plug-in front panel socket. **Microphone:** push-to-talk ceramic-element type.

Antenna Switching: electronic. **Power:** 110-130 v., AC—45 watts receive, 52 watts transmit; 12.6 v. DC—4 amps receive, 4.5 amps transmit.

H.E.L.P.
GIVE YOUR FAMILY ADDED SECURITY ON THE HIGHWAY
C.B. Channel 9

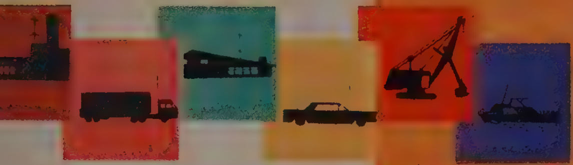
Highway Emergency Locating Plan

A new program utilizing Citizens Band Radio, H.E.L.P. means a greater measure of convenience and safety for motorists. Under the plan, Channel 9 is continuously monitored by volunteer citizen teams, police agencies, road service stations and round-the-clock hospital emergency rooms. Motorists (or their families) in distress, who have a CB transceiver in their auto, c summon aid by calling for it on Channel 9. No operator's license or exami nation is required. A station licens that is valid for five years, must applied for from the F.C.C. *Knight-Kit 5-Watt Citizens Ba Transceivers are suitable for use in t H.E.L.P. program.*

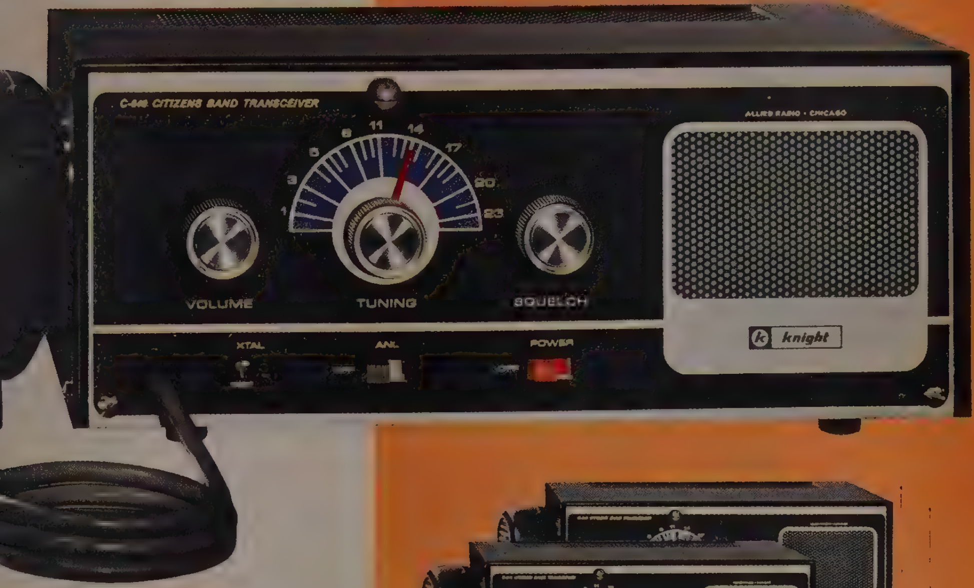
SEE PAGES 68 THROUGH 71 FOR H.E.L.P. OUTFITS

Versatile 2-Way CB Radio Communications

C-540 5-WATT TRANSCEIVER KIT FOR EVERY CITIZENS BAND NEED



NEW from knight-kit



FOR BASE OR MOBILE USE

Universal Model
110-130 VAC/12 VDC

$49.95 $5 monthly

- ✓ Highly Sensitive 23-Channel Tunable Superhet Receiver
- ✓ Efficient Single-Channel Crystal-Controlled Transmitter
- ✓ Temperature-Compensated Receiver Circuit for Minimum Drift
- ✓ Only 6 Controls and Switches
- ✓ Universal Power Supply for 110-130 v. AC and 12 v. DC

Save $8.92

$123.95 $7 monthly

Complete C-540 Two-Station Base-to-Mobile Outfit

Budget-priced Knight-Kit exclusive! Complete easy-to-assemble base-mobile outfit at a money-saving low price. Here's what you get: Knight-Kit Universal C-540 5-Watt CB Transceiver Kit; Knight-Kit Standard C-540 5-Watt CB Transceiver Kit; Mobile Under-Dash Mounting Bracket; 75 Feet RG-58/U Coax Cable and connectors; Allied's "Understanding and Using Citizens Band Radio" Book; Knight KN-2570 Ground Plane Antenna; Hy-Gain BPRW 108" Whip Antenna with Bumper Mount; Two Transmitting Crystals. C-540's provide dependable 2-way communication up to 20 miles over ideal terrain. KN-2570 has 9′ radiator, 9′ radials; fits 1-1⅝" masts. Whip is stainless steel. Wt., 42 lbs. Shipped express.

85 U 397 AL6MZW. *Specify Channel 1-23* **123.95**

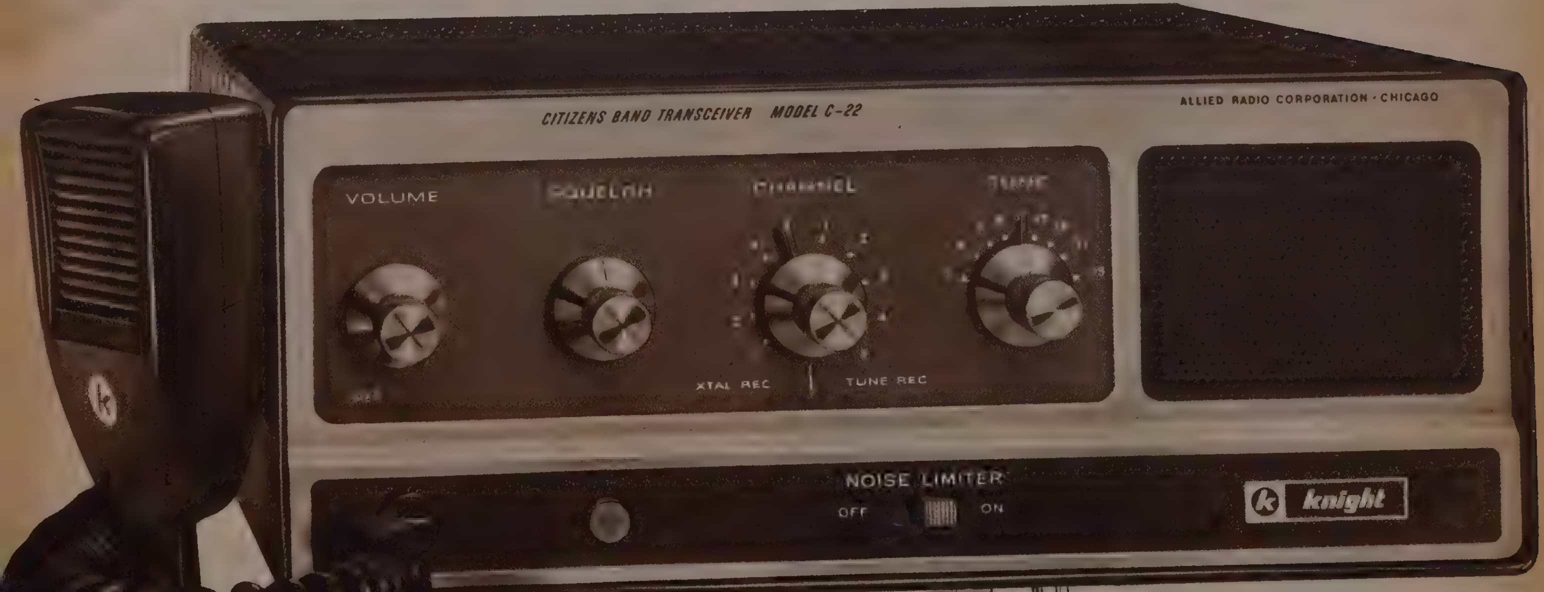
Page 71 for Additional C-540 CB Kit Outfits

knight-kit

CITIZENS BAND RADIO

Versatile C-22 Citizens Band Transceiver Kit

PROVIDES CLEAR SIGNAL, SENSITIVE RECEPTION, DUAL FIXED/MOBILE POWER SUPPLY AND 5-CHANNEL CRYSTAL-CONTROL CAPABILITY


CITIZENS BAND TRANSCEIVER MODEL C-22
ALLIED RADIO CORPORATION · CHICAGO
VOLUME
SQUELCH
CHANNEL
TUNE
XTAL REC
TUNE REC
NOISE LIMITER
OFF
ON
knight

Works from 12-v. car or boat battery. ANL to reduce impulse noise. Lighted panel for night use

Universal Model
For 110-130 VAC or 12-VDC

$69⁹⁵

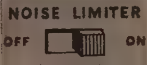
$5 monthly

These Features Assure You Dependable 2-Way Communications

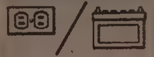
Variable Squelch Control

5-Channel Crystal Selector

23-Channel Tunable Receiver



Automatic Noise Limiter


Operates from AC or 12-volt DC

Superhet Receiver Has 2 IF Stages

Knight-Kit Model C-22 5-Watt CB Transceiver Kit

$69.95

$5 monthly

- Up to 5 Crystal-Controlled Transmit-Receive Channels
- All 23-Channel Manual Receiver Tuning
- Pi-Network Output Matches Most CB Antennas
- Planetary Drive Tuning Capacitor for Smooth Tuning
- Push-to-Talk Ceramic Microphone
- Front-Panel RF/Modulation Indicator
- 2½-Watt Audio Input to 3" Speaker
- 54-mc Harmonic Trap Cuts TVI

Compact size, easy accessibility of controls and crystals, press-to-talk operation, plus built-in 110-130 volt AC and 12-volt DC power supplies combine to make the C-22 a superb performer in any Citizens Band application. Crystal-controlled transmit and receive sections operate on any 5 switch-selected channels (see crystals at right). Or at the flick of a switch, receiver may be manually tuned through all 23 CB channels. Transmitter runs fully-modulated 5 watts RF input with adjustable pi-network output circuit to match most CB antennas. Front-panel RF indicator.

Superheterodyne receiver has 2 IF stages and offers 1-microvolt sensitivity for 10 db signal-to-noise ratio, plus excellent selectivity and image rejection. Adjacent-channel rejection, very important in metropolitan areas, is excellent. Variable squelch control quiets receiver during standby. Switchable series-gate noise limiter reduces or eliminates ignition and other interference. Edge-lit front panel makes controls and dials easily visible at night. Audio output of 2½ watts produces loud and clear reception with the 3" built-in speaker. Smooth-tuning planetary drive mechanism. A 54-mc harmonic trap helps prevent interference to television. Circuit uses 6 tubes and 5 diodes for top efficiency. Compact case is 4⅝x10⅞x10½". Supplied with all parts, precut wire, solder, press-to-talk ceramic mike with coil cord, FCC license application form, and easy-to-follow instructions. Less crystals, below. Fused power supply. For 110-130 volts, 60 cycle AC or 12 volts DC. Shpg. wt., 16 lbs.

83 U 802 MXW. *$5 Monthly*........................**69.95**

C-22 Transceiver Accessories

83 U 009 MW. Mobile Mounting Bracket. Wt., 4 lbs....**4.95**

83 U 046 CMW. Transmitting Crystals. *Specify Channel 1-23.* (C-22 accommodates 5.) Wt., 3 oz............Each **2.50**

83 U 045 CMW. Receiving Crystals. *Specify Channel 1-23.* (C-22 accommodates 5.) Wt., 3 oz............Each **2.50**

83 U 042 MW. Civil Air Patrol Receiving Crystal. Shpg. wt., 3 oz..**2.50**

83 U 043 MW. Civil Air Patrol Transmitting Crystal. Shpg. wt., 3 oz..**2.50**

C-22 TRANSCEIVER SPECIFICATIONS

RECEIVER SECTION

Sensitivity: 1 microvolt for 10 db signal-to-noise ratio.
Selectivity: 6 db down at 6.5 kc.
Adjacent Channel Rejection: 25 db.
Audio Output: 2.5 watts.
Speaker: 3" built-in PM type.
IF: 2-stage at 1650 kc.

TRANSMITTER SECTION

RF Output Power: 3 watts.
Modulation: amplitude modulation, plate and screen, automatically limited to less than 100%.
Output: adjustable pi-network for most CB antennas.
TVI Suppression: 54-mc tunable trap.

GENERAL

Controls: On-Off/Volume; Adjustable Squelch; Crystal-Tune/Chan. Selector; Rcvr Tune; Noise Limiter Off-On; Press-to-Talk Mike.
Circuit: **Complement:** 1 each—6CX8, 6EA8, 12AX7, 12AQ5; 2—6HR6; 3 silicon diodes, 2 silicon rect.

Power Requirements: 110-130 v., 60 cycle AC, 50 watts; 12.6 v., DC, 3.8 amps.

Save $19.62 on Two-Station Outfit With Two Universal C-22's

Complete Outfit

$169.95

$9 monthly

Base Station Antenna

2 Transmit, 2 Receive Crystals

Mobile Mtg. Bracket

Mobile Antenna

CB Book

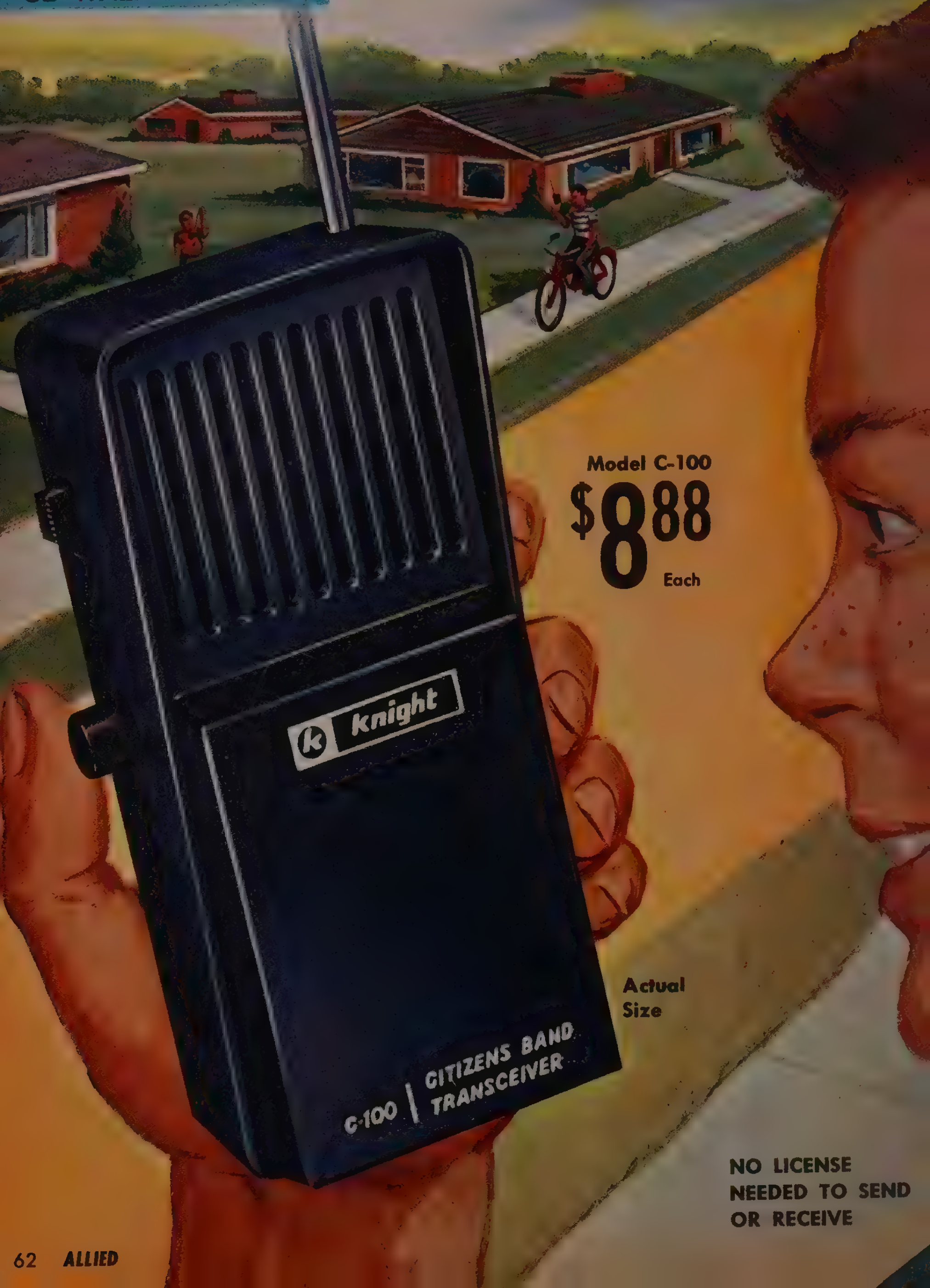
Cable, Connectors

A pace-setting Citizens Band outfit in fun-to-build kit form. And, you save $19.62 off the cost of items purchased individually. Provides you with dependable 2-way communications between home, office, car or boat at distances of up to 20 miles over ideal terrain. Here's what you get: 2 Knight-Kit C-22 Citizens Band Transceiver Kits; Mobile Mounting Bracket; Your choice of 2 Transmit and 2 Receive Crystals; Hy-Gain Model BPRW 108" Mobile Whip Antenna with Bumper Mount; Knight KN-2570 Ground Plane Antenna for Base Station; 70 Feet of Low-Loss RG-58/U Foam Coax Cable; All Necessary Connectors; and Allied's Own Book "Understanding and Using Citizens Band Radio. *Specify Channel 1-23.* Shpg. wt., 55 lbs. Shipped express.

85 U 383 AL6MZW. *$9 Monthly*..........**169.95**

Build Your Own Walkie-Talkie

C-100 . . LOWEST COST WALKIE-TALKIE
KIT AVAILABLE ANYWHERE!


knight
C-100
CITIZENS BAND
TRANSCEIVER

Model C-100
$8.88
Each

Actual
Size

**NO LICENSE
NEEDED TO SEND
OR RECEIVE**

C-100 Sends and Receives Up to 1/4 Mile!

Ideal for Camping, Fishing, Hunting, Boating, Hiking, and Picnics

C-100 ALL-TRANSISTOR CITIZENS BAND WALKIE-TALKIE KIT

$8.88 Each

- No License or Examination Required • No Age Limit • Anyone Can Use It
- Simple to Assemble • Loads of Fun to Use • Operates for Hours on One Battery
- Compact and Neatly Styled • So Light in Weight • Goes Anywhere You Go

oking for great fun on a small investment? Take adtage of this remarkable low price and build the thrill- C-100. Assembly is easy, even if you've never assembled t before. In just a few fun-filled hours, you'll have this ansistor beauty ready for "on the go" communications. a friend or relative to get a C-100 too—you'll have a uine 2-way radio system capable of sending and reing messages up to ¼ mile.

air of C-100's make excellent gifts for the youngsters (See special outfits below.) Imagine the joy of a young n opening a package and finding a pair of walkie-talkies t will put him "on the air." He'll be the envy of the ghborhood! The C-100 is great for adults and kids alike enjoy camping, hunting, fishing, hiking, and outings. hermen separated up to ¼ mile can easily keep in touch.

Also tops for house-to-house or house-to-garage communications. Best of all, anyone can use the C-100. Push-to-talk operation. 2″ speaker/microphone, crystal-controlled transmitter on Channel 7 of the Citizens Band, 40″ telescoping whip antenna, sensitive super-regenerative receiver. High-impact case, 5⅜x2⅞x1¾″. With solder, Channel 7 transmit crystal, step-by-step instructions and diagrams. Less battery, below. See optional carrying case, also below. Shpg. wt., 14 oz.

83 U 804 MW..............................Each **8.88**

9-VOLT BATTERY. Each C-100 requires one. Wt., 4 oz.

83 U 005 MW..............................Each **27¢**

SAVE—BUY 3 BATTERIES! Shpg. wt., 12 oz.........**3 for 79¢**

CARRYING CASE. Protective case, hand strap. 4 oz.

83 U 013 MW..............................**98¢**

omplete 2-Way Communications Outfits Featuring the C-100

A Our Lowest Cost 2-Way Walkie-Talkie Outfit Includes Two C-100's and Batteries

ou've never experienced the satisfaction of building a kit yourself, then sending your own voice over the air, you've got to try it. emble the C-100's in just a few hours, and you're ready for real oyment. No license requirement. Outfit includes: **Two Knight-Kit 00 All-Transistor Walkie-Talkie Kits; and Two 9-Volt Batteries.** With y-to-follow instructions. Shpg. wt., 2¼ lbs.

U 004 AMW..............................**17.88**

B C-100 Outfit with Carrying Cases and Batteries

ousands upon thousands of satisfied Allied customers own the C-'s for 5 reasons: 1) low price and high quality; 2) they're so easy assemble; 3) they have countless practical uses; 4) they're fun to ; and 5) no license or age restrictions. Outfit includes: **Two Knight- C-100 All-Transistor Walkie-Talkie Kits; Two Protective Carrying Cases Hand Straps; Two 9-Volt Batteries.** Ready for 2-way conversations matter of hours. Shpg. wt., 2¾ lbs.

U 006 AMW. *$5 Monthly*..............................**19.75**

C Our Best C-100 Outfit Even Includes All Necessary Tools to Assemble Kits

e perfect outfit for the *new* kit builder. Specially selected to inde everything you need to assemble these walkie-talkies. And 'll have the tools on hand for future kit projects. C-100 kits are ds of fun to put together. Outfit includes: **Two Knight-Kit C-100 All-nsistor Walkie-Talkie Kits; Two Protective Carrying Cases with Hand aps; Two 9-Volt Batteries; Ungar 27-Watt Soldering Iron; ⅛x4″ ewdriver; Miller Cutter/Stripper.** Everything you need for success in ar first kit-building project. Shpg. wt., 3¾ lbs.

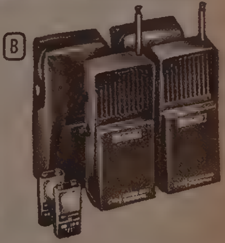
U 007 AMW. *$5 Monthly*..............................**22.25**

A

Lowest Cost Outfit

$17.88

B



Better Outfit

$19.75

$5 monthly

C

Our Best Outfit

$22.25

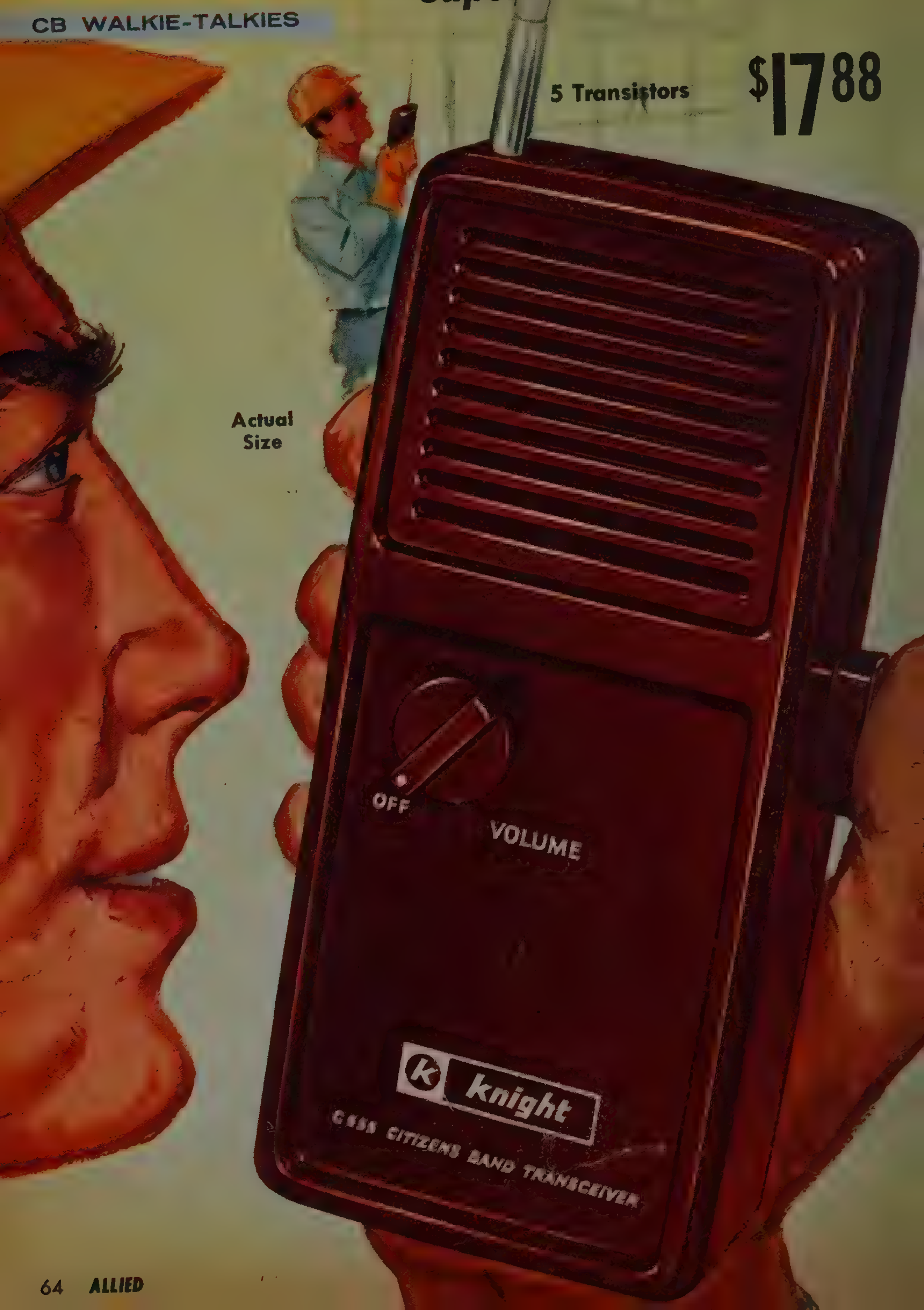
$5 monthly

ight-Kit Walkie-Talkies Are Your Best Buy

knight-kit

CB WALKIE-TALKIES

Build Your Own C-555 Superhet Walkie-Talkie


OFF
VOLUME
knight
C555 CITIZENS BAND TRANSCEIVER

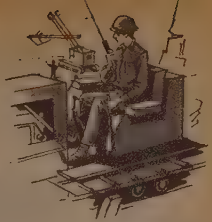
5 Transistors

$17.88

Actual Size

Sends and Receives Up to ¾ Mile!

NO LICENSE REQUIRED TO TRANSMIT OR RECEIVE



C-555 5-Transistor Superhet Walkie-Talkie Kit . . Easy to Assemble

$17.88

- Receiver and Transmitter Both Crystal-Controlled for Optimum Performance
- Superheterodyne Receiver for Greater Operating Range and Top Selectivity
- IF Transformers Are Prealigned and Mounted on Printed Circuit Board
- Assembles Quickly; Easy-to-Follow Instructions • Many Uses Indoors and Outdoors

us kit priced exceptionally low, yet boasts a sensitive
l-controlled superhet receiver for increased range and
vity. Crystal-controlled transmitter has full 100-
att input for up to ¾-mile range. Ideal for industry
ruction, security work, warehousing, inventory). Also
es low-cost communication for boaters who want to
n touch. Excellent for camping trips, and for fisher-
nd hunters. Has hundreds of uses, outdoors and in-
Assembly time, a few hours.

n space-age circuit features 5 transistors plus a
A silicon transistor is used in oscillator circuit for
t stability. Unit is supplied with prewired and pre-
d IF transformers already mounted on a rugged
d circuit board for simplified assembly. Other fea-
press-to-talk operation; receiver volume control; 2"
n speaker/microphone; 40" telescoping whip an-
output jack for earphone; economical battery operation. High-impact case, 7x3⅛x2". With solder and easy instructions. Less battery, crystals, below. See optional accessories, below. Shpg. wt., 2 lbs.

83 U 822 MW............................Each **17.88**

9-VOLT BATTERY. Each C-555 requires one. Wt., 2 oz.
83 U 014 MW..**35¢**

TRANSMITTING CRYSTAL. *Specify Channel 2-22.* 3 oz.
83 U 034 CMW..**2.50**

RECEIVING CRYSTAL. *Specify Channel 2-22.* 3 oz.
83 U 041 CMW..**2.50**

CIVIL AIR PATROL TRANSMITTING CRYSTAL. 3 oz.
83 U 039 MW..**2.50**

CIVIL AIR PATROL RECEIVING CRYSTAL. 3 oz.
83 U 038 MW..**2.50**

83 U 092 MW. Carrying Case and Strap. 6 oz...........**1.98**

83 U 094 MW. Earphone with Cord and Plug. 2 oz.........**79¢**

Save on CB Communications Outfits Featuring C-555

Deluxe Two-Station Outfit
$46.95
$5 monthly

Deluxe Single-Station Outfit
$23.80
$5 monthly

Single-Station Outfit
$21.25
$5 monthly

eluxe Two-Station Outfit
udes Everything You Need

$5.05. Nothing else to buy. Get
he-go" two-way communications
tances up to ¾ mile. Great for
ng, hunting, picnics, work, or
eeping in touch with home. In-
s: Two Knight-Kit C-555 5-Transistor
het Walkie-Talkie Kits; Two 9-Volt
ies; Two Handsome Carrying Cases
traps; Two Earphones with Cords
ugs for Private Listening; Two Trans-
d Two Receive Crystals. *Specify*
nel 2-22. 6 lbs.
003 AMW. *$5 Monthly*.. **46.95**

Deluxe Single-Station Outfit
Includes All Accessories

Save $2.20. Our best single-station outfit includes most-often-asked-for accessories! Here's what you get: One Knight-Kit C-555 5-Transistor Superhet Walkie-Talkie Kit; One 9-Volt Battery; One Handsome Carrying Case with Strap; One Earphone with Cord and Plug for Private Listening; One Transmit and One Receive Crystal. The C-555 includes easy-to-follow, step-by-step instructions. Goes together in a few hours. *Specify Channel 2-22.* 3 lbs.
85 U 001 AMW. *$5 Monthly*.. **23.80**

Single-Station Outfit
Includes Battery and Crystals

Save $1.98. Low-cost walkie-talkie outfit that comes in easy-to-build kit form. In just a few fun-packed hours, you'll have this 5-transistor beauty assembled and ready for reliable communicating. Outfit includes: One Knight-Kit C-555 5-Transistor Superhet Walkie-Talkie Kit; One 9-Volt Battery; One Transmit and One Receive Crystal. No license, exam, fee, permit, or age-limit restrictions. *Specify Choice of Channel 2-22.* Shpg. wt., 2½ lbs.
85 U 018 AMW. *$5 Monthly*...**21.25**

knight-kit

CB WALKIE-TALKIES

1-Watt Walkie-Talkie K

MODEL KG-4000A IS OUR BEST! LETS YOU
KEEP IN TOUCH ON THE CITIZENS BAND—
UP TO 5 MILE RANGE OVER IDEAL TERRA

knight
SQUELCH
VOLUME
MIN
MAX
OFF
MAX
KG-4000A TRANSCEIVER
LOCAL
DISTANCE
KIT FORM OR ASSEMBLED

KG-4000A Kit
$54.95
$5 monthly

- Crystal-Controlled Transmit/Recei
- Selective Ceramic Receiver Filter
- Automatic Noise Limiter Circuit
- Variable Squelch, Volume Contro
- Separate Speaker and Micropho
- RF Indicator • 52″ Telescoping

Powerful . . . dependable . . . rugged . . . compact! Desi
to provide greater distance and maximum performance
professional-quality KG-4000A Walkie-Talkie is your g
est value for reliable on-the-move 2-way Citizens Band
munications.

Fully crystal controlled, and truly portable, it offers a p
to-talk transmitter section with powerful 1-watt inp
range is up to 5 miles over ideal terrain. The highly sens
superheterodyne receiver section features a ceramic filte
really sharp selectivity, and includes a stage of RF ampl
tion and two IF stages. Other important advantage
clude: automatic noise limiter for clearest reception;
indicator for visual check of transmitter output; push
audio section for top-quality speech reproduction; L
Distance switch to prevent "close-in" overloading. Var
squelch provides silent standby periods. Also has jack
accommodate external antenna, and either external spe
or headphone.

Attractive tan styrene case has handy carrying strap.
10⅜x3⅝x4½″. 52″ whip antenna telescopes into case
not in use. Supplied complete with FCC license applica
carrying strap, step-by-step assembly instructions. Less
teries (uses 8) and crystals (requires 1 transmit and 1 rece
below. Shpg. wt., 4 lbs.
83 U 808 MW. *$5 Monthly*. **54**
83 U 500 MW. Above, factory assembled. **6**
83 U 012 MW. 1½-Volt "C" Batteries. Takes 8. 2 oz. . **Each**

83 U 011 MW. Rechargeable Battery and Charger Kit. Ni
cadmium. Replaces 8 "C" cells—fits inside KG-4000A.
110-130 v., 60 cycle AC. 1 lb. **1**
83 U 551 MW. Above, factory assembled. **2**
83 U 047 MW. 12-Volt DC Adapter Cable. 4 oz. . . . .
83 U 094 MW. Earphone, Cable and Plug. 2 oz. . . . .

CRYSTALS. *Specify Channel 1-23.* Wt. 3 oz.
83 U 041 CMW. Receive. . . . . **Each**
83 U 034 CMW. Transmit. . . . . **Each**

CIVIL AIR PATROL CRYSTALS. Shpg. wt., 3 oz.
83 U 038 MW. Receive. . . . . **Each**
83 U 039 MW. Transmit. . . . . **Each**

KG-4000A SPECIFICATIONS

RECEIVER. Circuit: crystal-controlled superhet with R
stage. **Sensitivity:** better than 1 microvolt for 10 d
signal-to-noise ratio. **Adjacent Channel Rejection:** 30 d
Audio Output: 750 mw class B push-pull. Provision fo
external speaker or earphone. **TRANSMITTER. Circui**
crystal controlled. **Final Input:** 1 watt. **Output:** ½ wat
GENERAL. Controls: On/Off/Volume; Squelch; Dis
tance-Local; Press-to-Talk. **Power Supply:** 8 size "C
1½-volt cells; or optional rechargeable nickel-cadmiu
cell; provision for external 12 volt DC source. **Antenn**
52″ telescoping whip; also includes provision for us
of an external antenna.

Buy the KG-4000A Kit on Your Credit Fund Acc

ps in Performance, Value, Versatility

For Civil Defense Applications

Ideal For Warehousing Applications

Low-Cost Marine Communications

ve
52
Kit Outfit
$129.95
$7 monthly

FITS SHOWN ARE AVAILABLE
KIT FORM OR ASSEMBLED

Save
$12.03
Kit Outfit
$109.95
$6 monthly

Save
$11.74
Kit Outfit
$69.95
$5 monthly

Save on KG-4000A 1-Watt Walkie Talkie Outfits

EST 1-WATT 2-STATION
LKIE-TALKIE KIT OUTFIT

geable Battery, Charger Kit,
1½-V. Batteries, All Crystals,
hones, 12-V. Adapter Cable

hing you need plus savings of
off individual item prices.

et: Two Knight-Kit KG-4000A
-Talkie Kits; Two Transmitting and
eceiving Crystals in Choice of
l; One Combination Nickel-Cad-
attery and Charger Kit; Two Ear-
with Cables and Plugs; Eight
t Size "C" Batteries; One Adapter
for 12-Volt DC.

-duty nickel-cadmium cell may
harged several hundred times.
er reactivates cell overnight.
es from 110-130 v., 60 cycle AC.
Channel 1-23. 12 lbs.

68 AL3MXW.......... **129.95**

y Assembled KG-4000A Outfit

13.52. Above, but factory assem-
d ready to use. *Specify Channel*
hpg. wt., 12 lbs.

84 AL3MXW.......... **164.95**

BIG-VALUE 1-WATT 2-STATION WALKIE-TALKIE KIT OUTFIT

Complete with Sixteen 1½-Volt Batteries, 2 Transmitting and 2 Receiving Crystals For Channels You Choose

Great buy in a complete 2-way Citizens Band outfit that gives you first-rate performance. And, our outfit price saves you $12.03 off the cost of individually purchased components.

Here's what you get in this outfit: Two Knight-Kit 1-Watt Citizens Band Walkie-Talkie Kits; Sixteen 1½-Volt Size "C" Batteries; Two Transmitting and Two Receiving Crystals in Choice of Channel.

Hunters, and fishermen keep in touch; also for: inventory work; warehousing; plant protection; construction; forestry service; many others. *Specify Channel 1-23*. 11 lbs.

85 U 302 AL3MW.......... **109.95**

Factory Assembled KG-4000A Outfit

Save $12.03. As above, except factory assembled and ready to use. *Specify Channel 1-23*. Wt., 11 lbs.

85 U 305 AL3MW.......... **139.95**

BEST 1-WATT SINGLE-STATION WALKIE-TALKIE KIT OUTFIT

With Rechargeable Battery and Charger Kit, Crystals, Earphone, 12-V. Adapter Cable For Your Car

Your own portable setup in one easy-to-build package! You save $11.74 off the cost of individual components.

Outfit includes: One Knight-Kit KG-4000A 1-Watt Citizens Band Walkie-Talkie Kit; One Transmitting and One Receiving Crystal in Choice of Channel; One Combination Rechargeable Nickel-Cadmium Battery Charger Kit; Earphone with Cable and Plug; One Adapter Cable for 12-Volt DC Car Use.

KG-4000A has ceramic filter, noise limiter, variable squelch, 1 microvolt sensitivity, push-pull output. *Specify Channel 1-23*. Wt., 6 lbs.

85 U 301 AL2MW.......... **69.95**

Factory Assembled KG-4000A Outfit

Save $11.74 As above, except factory assembled and ready to use. *Specify Channel 1-23*. Wt., 6 lbs.

85 U 304 AL2MW.......... **89.95**

knight-kit

CITIZENS BAND RADIO

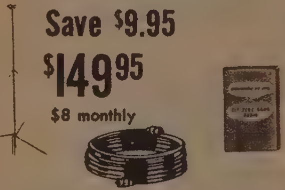
"Safari I" CB Kit Outfi

BASE OUTFIT NO. 1

Save $9.95

$149⁹⁵

$8 monthly

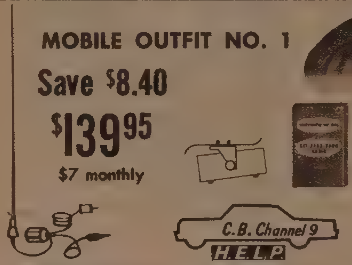


MOBILE OUTFIT NO. 1

Save $8.40

$139⁹⁵

$7 monthly

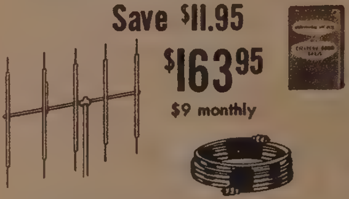


BASE OUTFIT NO. 2

Save $11.95

$163⁹⁵

$9 monthly

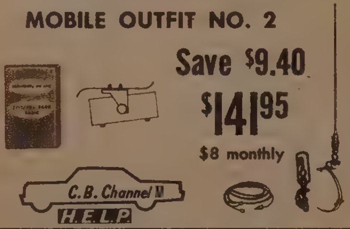


MOBILE OUTFIT NO. 2

Save $9.40

$141⁹⁵

$8 monthly

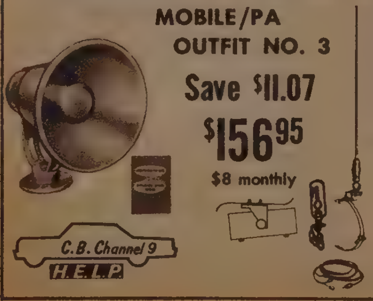


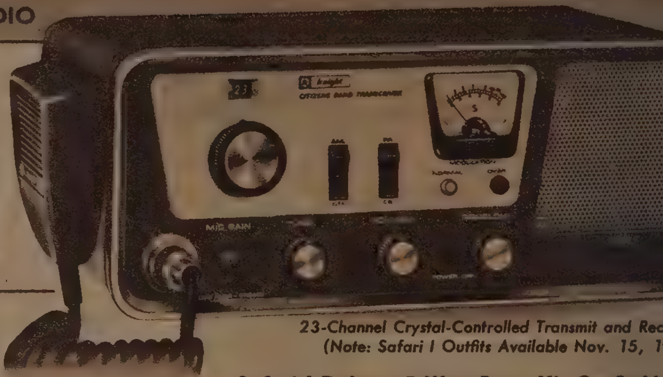
MOBILE/PA OUTFIT NO. 3

Save $11.07

$156⁹⁵

$8 monthly





23-Channel Crystal-Controlled Transmit and Rec
(Note: Safari I Outfits Available Nov. 15, 1

Safari I Deluxe 5-Watt Base Kit Outfit N

Quality components for finest fixed-location communications. W
Knight-Kit Safari 1 Universal (110-130 v., 60 cycle AC/12 v. DC) 23-Ch
Transceiver Kit; Knight KN-2572 Maximum-Gain Base Station Antenna
19′ Radiator, Top Hat, Center Skirt, Three 108″ Radials; 50 Feet of RG-
Foam Coax Cable and Connectors; Allied's "Understanding and Usin
Radio" Book. Wt., 29 lbs.
85 U 500 AL3MZW. *$8 Monthly.* Shipped express............**149**

Safari I Deluxe 5-Watt Mobile Kit Outfit No. 1

First-rate mobile performance. You get: Knight-Kit Safari 1 Univ
(110-130 v., 60 cycle AC/12 v. DC) 23-Channel Transceiver Kit; Gi
Mounting Bracket; Knight KN-2575 50″ Telescoping Top-Loaded
Antenna for CB/AM with 1-Hole Body Mount, Coupler, Cables; All
"Understanding and Using CB Radio" Book. 25 lbs.
85 U 501 AL3MXW. *$7 Monthly*..........................**139**

COMPLETE BASE/MOBILE KIT OUTFIT. Save $19.80. Above Base
Mobile Outfits No. 1, but only 1 CB book. Shpg. wt., 54 lbs.
85 U 502 AL6MZW. *$15 Monthly.* Shipped express..........**287**

Safari I Deluxe 5-Watt Base Kit Outfit No. 2

Offers greatest operating range and reduction of unwanted sig
Includes: Knight-Kit Safari 1 Universal (110-130 v., 60 cycle AC/12 v.
23-Channel Transceiver Kit; Knight KN-2574 5-Element Beam Ant
(12.3 db Forward Gain) with 18′ 8¾″ Elements on a 24-Ft. Boom
Feet of RG-58/U Foam Coax Cable and Connectors; Allied's "Understan
and Using CB Radio" Book. Shpg. wt., 40 lbs.
85 U 503 AL3MUW. *$9 Monthly*..........................**163**

Safari I Deluxe 5-Watt Mobile Kit Outfit No. 2

Top-notch mobile communication for cars, trucks, busses and b
Includes: Knight-Kit Safari 1 Universal (110-130 v., 60 cycle AC/12 v.
23-Channel Transceiver Kit; Gimbal Mounting Bracket; Knight KN-2576
Stainless Steel Whip Antenna with Bumper Mount, Ball, Spring, Gutter
Cable and Plug; Allied's "Understanding and Using Citizens Band Ra
Book. Shpg. wt., 30 lbs.
85 U 504 AL3MZW. *$8 Monthly.* Shipped express............**141**

COMPLETE BASE/MOBILE KIT OUTFIT. Save $22.80. Above Base
Mobile Outfits No. 2, but only 1 CB book. 70 lbs.
85 U 505 AL6MZW. *$15 Monthly.* Shipped express...........**303**

Safari I Deluxe 5-Watt Mobile/PA Kit Outfit No.

Top-notch on-the-go communications plus public address paging
or monitor facilities. Includes: Knight-Kit Safari 1 Universal (110-1
60 cycle AC/12 v. DC) 23-Channel Transceiver Kit; Gimbal Mounting Bra
Knight KN-2576 102″ Stainless Steel Whip Antenna, with Bumper M
Ball, Spring, Gutter Clip and Cable; Electro-Voice PA-7 Weatherproof Pa
Speaker; and Allied's "Understanding and Using Citizens Band Radio"
Shpg. wt., 33 lbs.
85 U 506 AL4MZW. *$8 Monthly.* Shipped express............**156**

See Pages 56 and 57 for "Safari I" Description and Specificat

560 Transceiver Kit Outfits

knight-kit

CITIZENS BAND RADIO

VOLUME
CHANNEL
TUNE
OVER MOD
NORMAL MOD
C-560 CITIZENS BAND TRANSCEIVER
SQUELCH

Deluxe Superhet Design for Top-Notch Performance

C-560 5-Watt Budget-Priced Base Kit Outfit No. 1

s everything you need for excellent omnidirectional Citizens Band rmance from fixed locations. Outfit includes: Knight-Kit C-560 ard (110-130 v., 60 cycle AC) Transceiver Kit; One Transmitting and One ving Crystal; Knight KN-2570 Base-Station Ground Plane Antenna with 9-uminum Radiator, Three 9-Ft. Radials, and Clover-Leaf Top Hat for um Noise; 50-Feet of RG-58/U Foam Coax Cable and Connectors; 's "Understanding and Using Citizens Band Radio" Book. *Specify nel 1-23*. Shpg. wt., 25 lbs.

309 AL3MZW. *$6 Monthly*. Shipped express............... **102.95**

C-560 5-Watt Mobile-Station Kit Outfit No. 1

y efficient C-560 mobile station outfit gives top results in any on. Recommended for use in Highway Emergency Locating Plan .P.) programs. Includes: Knight-Kit C-560 Universal (110-130 v., 60 AC/12 V. DC) Transceiver Kit; One Transmitting and One Receiving l; Gimbal Mounting Bracket; Knight KN-2576 102" Stainless Steel Whip a with Bumper Mount, Ball, Spring, Gutter Clip, Cable and Plug; Allied's rstanding and Using Citizens Band Radio" Book. *Specify Channel 1-23*. wt., 31 lbs.

308 AL3MZW. *$6 Monthly*. Shipped express.............. **108.95**

LETE BASE/MOBILE KIT OUTFIT. Save $13.80. Consists of all items in Outfit No. 1 and Mobile Outfit No. 1 above, except only 1 CB book. *y Channel 1-23*. Wt., 66 lbs.

303 AL6MZW. *$11 Monthly*. Shipped express............ **209.95**

560 5-Watt Maximum-Range Base Kit Outfit No. 2

erforming base outfit for the CB'er who must have maximum com-ations coverage. Includes: Knight-Kit C-560 Standard (110-130 v., 60 AC) Transceiver Kit; One Transmitting and One Receiving Crystal; KN-2574 5-Element Beam Antenna (12.3 db Forward Gain; 25 db FB with 18′ 8¾″ Aluminum Elements on a 24-Ft. Boom; 50 Feet RG-58/U Coax Cable and Connectors; Allied's "Understanding and Using CB " Book. *Specify Channel 1-23*. 39 lbs.

312 AL3MUW. *$7 Monthly*............................ **127.95**

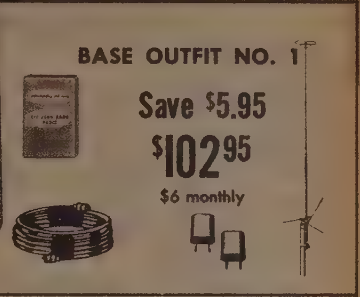
C-560 5-Watt Mobile-Station Kit Outfit No. 2

reliable, on-the-go communications with other mobile units, or base stations. May be used in Highway Emergency Locating Plan L.P.) programs. Includes: Knight-Kit C-560 Universal (110-130 v., 60 AC) Transceiver Kit; One Transmitting and One Receiving Crystal; l Mounting Bracket; Knight KN-2575 50" Telescoping Top-Loaded Antenna for CB and AM Radio with 1-Hole Body Mount, Coupler and ; Allied's "Understanding and Using Citizens Band Radio" Book. *y Channel 1-23*. Shpg. wt., 26 lbs.

310 AL3MXW. *$6 Monthly*............................ **105.95**

LETE BASE/MOBILE KIT OUTFIT. Save $15.80. Consists of all items in Outfit No. 2 and Mobile Outfit No. 2 above, except only 1 CB book. *y Channel 1-23*. Wt., 65 lbs.

398 AL6MZW. *$12 Monthly*. Shipped express............ **231.95**

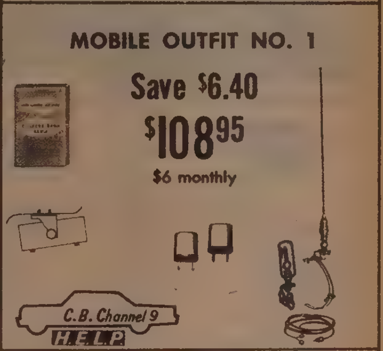


BASE OUTFIT NO. 1

Save $5.95

$^{\$}102^{95}$

$6 monthly

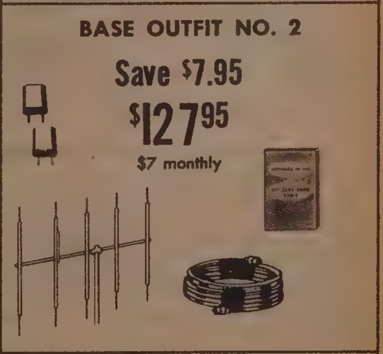


MOBILE OUTFIT NO. 1

Save $6.40

$^{\$}108^{95}$

$6 monthly

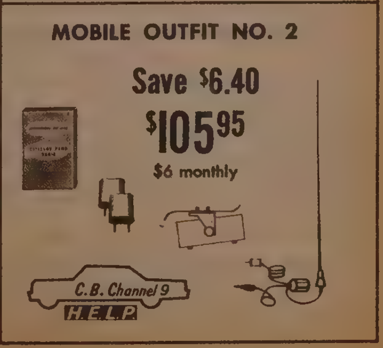


BASE OUTFIT NO. 2

Save $7.95

$^{\$}127^{95}$

$7 monthly



MOBILE OUTFIT NO. 2

Save $6.40

$^{\$}105^{95}$

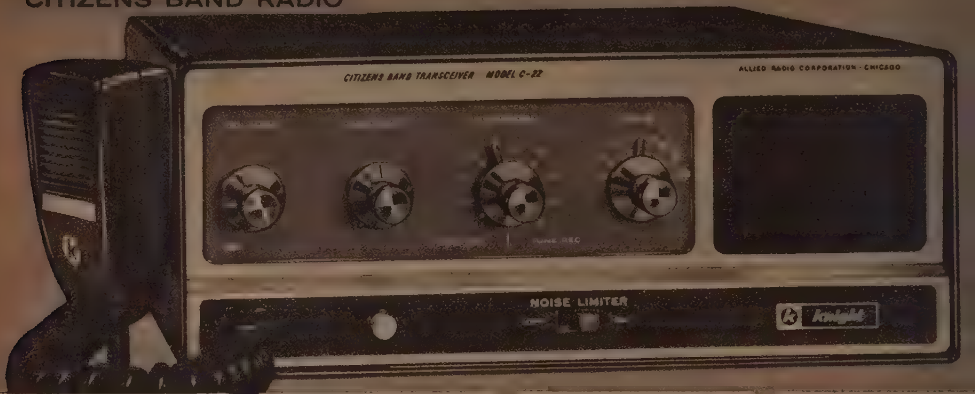
$6 monthly

Pages 54 and 55 for C-560 Description and Specifications

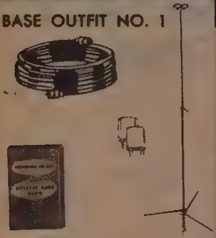
knight-kit

CITIZENS BAND RADIO

C-22 Transceiver Kit Outfi


CITIZENS BAND TRANSCEIVER MODEL C-22
ALLIED RADIO CORPORATION · CHICAGO
NOISE LIMITER
Knight

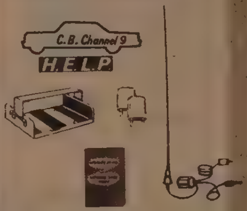
BASE OUTFIT NO. 1



Save $12.14

$93 95 $5 monthly

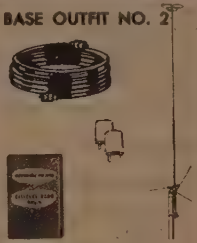
MOBILE OUTFIT NO. 1



Save $7.59

$85 95 $5 monthly

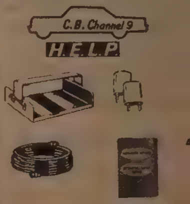
BASE OUTFIT NO. 2



Save $11.14

$83 95 $5 monthly

MOBILE OUTFIT NO.



Save $8.03

$86 95 $5 monthl

C-22 5-Watt Base Station Outfit No. 1

After easy C-22 assembly, you're ready to enjoy reliable Citizens Band communications in any fixed location. Outfit includes: Knight-Kit C-22 5-Watt Universal (110-130 v., 60 cycle AC/12 v. DC) Transceiver Kit; One Transmitting and One Receiving Crystal; Knight KN-2572 Maximum-Range Base Station Antenna; 50 Feet of RG-58/U Foam Coax Cable and Connectors; and Allied's "Understanding and Using Citizens Band Radio" Book. *Specify Channel 1-23.* Shpg. wt., 26½ lbs.
85 U 389 AL3MZW. *$5 Monthly.* Express........**93.95**

C-22 5-Watt Mobile Station Outfit No. 1

Top on-the-go communicating with other mobiles or with base units. Includes: Knight-Kit C-22 5-Watt Universal (110-130 v., 60 cycle AC/12 v. DC) Transceiver Kit; One Transmitting and One Receiving Crystal; Mobile Underdash Mounting Bracket; Knight KN-2575 50" Telescoping Top-Loaded Whip Antenna for CB and AM with 1-Hole Body Mount and Cables; and Allied's "Understanding and Using Citizens Band Radio" Book. *Specify Channel 1-23.* Shpg. wt., 24 lbs.
85 U 390 AL3MZW. *$5 Monthly.* Express........**85.95**

COMPLETE BASE/MOBILE OUTFIT. Save $21.18. All items in base and mobile outfits above, except only 1 CB book. *Specify Channel 1-23.* 51 lbs.
85 U 391 AL6MZW. *$9 Monthly.* Express.....**177.95**

C-22 5-Watt Base Station Outfit No. 2

An ideal choice for dependable low-cost fixed-loca
communications in fun-to-build Knight-Kit f
Here's what you get: Knight-Kit C-22 5-Watt Univ
(110-130 v., 60 cycle AC/12 v. DC) Transceiver Kit;
Transmitting and One Receiving Crystal; Knight KN-
Base-Station Ground Plane Antenna; 50 Feet of RG-
Foam Coax Cable and Connectors; and Allied's "U
standing and Using Citizens Band Radio" Book. *Sp*
Channel 1-23. Shpg. wt., 23 lbs.
85 U 388 AL3MZW. *$5 Monthly.* Express........**83**

C-22 5-Watt Mobile Station Outfit No.

Carefully selected to give you excellent mobile opera
at modest cost. Consists of: Knight-Kit C-22 5-
Universal (110-130 v., 60 cycle AC/12 v. DC) Transc
Kit; One Transmitting and One Receiving Crystal; M
Underdash Mounting Bracket; Hy-Gain BPRW 108" S
less Steel Whip Antenna, Cadmium-Plated Bumper M
Steel Strap; 20 Feet of RG-58/U Foam Coax Cable
Connectors; Allied's Understanding and Using CB Ra
Book. *Specify Channel 1-23.* 27 lbs.
85 U 315 AL3MZW. *$5 Monthly.* Express........**86**

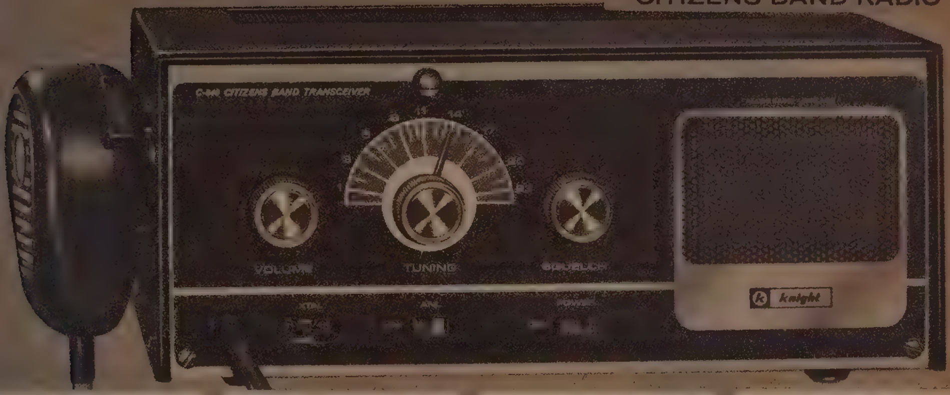
COMPLETE BASE/MOBILE OUTFIT. Save $19.62. All it
in base and mobile outfits above, except only 1
book. *Specify Channel 1-23.* 55 lbs.
85 U 383 AL6MZW. *$9 Monthly.* Express.....**169**

See Pages 60 and 61 for C-22 Descriptions and Specificat

-540 Transceiver Kit Outfits

knight-kit

CITIZENS BAND RADIO

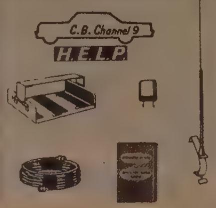


ASE OUTFIT NO. 1

Save $3.65

$59^{95} $5 monthly

MOBILE OUTFIT NO. 1



Save $4.82

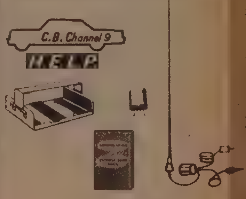
$64^{95} $5 monthly

BASE OUTFIT NO. 2

Save $5.17

$68^{95} $5 monthly

MOBILE OUTFIT NO. 2



Save $4.09

$66^{95} $5 monthly

C-540 5-Watt Base Station Outfit No. 1

lowest-cost base-station kit outfit includes every-
g you need for fixed-location Citizens Band com-
nications. Complete outfit includes: Knight-Kit C-540
'att Standard (110-130 v., 60 cycle AC) Transceiver
One Transmitting Crystal; Knight KN-2570 Base-
ion Ground Plane Antenna; 50 Feet of RG-58/U Coax
le and Required Connectors; and Allied's "Under-
ding and Using Citizens Band Radio" Book. *Specify
nnel 1-23.* Shpg. wt., 18 lbs.

J 395 AL3MZW. *$5 Monthly.* Express........**59.95**

-540 5-Watt Mobile Station Outfit No. 1

bile-station kit outfit has everything you need for
performance—fine choice for H.E.L.P. program.
ludes: Knight-Kit C-540 5-Watt Universal (110-130 v.,
cycle AC/12 v. DC) Transceiver Kit; One Transmitting
stal; Underdash Mounting Bracket; Hy-Gain BPRW
" Stainless Steel Whip Antenna, Cadmium-Plated
per Mount, Steel Strap; 25 Feet RG-58/U Coax Cable
Connectors; Allied's "Understanding and Using CB
io" Book. *Specify Channel 1-23.* 24 lbs.

U 396 AL3MZW. *$5 Monthly.* Express........**64.95**

MPLETE BASE/MOBILE OUTFIT. Save $8.92. All items
base and mobile outfits above, except only 1 CB
k. *Specify Channel 1-23.* 42 lbs.

U 397 AL6MZW. *$7 Monthly.* Express......**123.95**

C-540 5-Watt Base Station Outfit No. 2

Outstanding budget-priced Knight-Kit exclusive—your own efficient base station communications setup in one easy-to-build package. Here's what you get: Knight-Kit C-540 5-Watt Standard (110-130 v., 60 cycle AC) Transceiver Kit; One Transmitting Crystal; Knight KN-2572 Maximum-Gain Base Station Antenna; 50 Feet of RG-58/U Coax Cable and Connectors; and Allied's "Understanding and Using Citizens Band Radio" Book. *Specify Channel 1-23.* Shpg. wt., 22 lbs.

85 U 392 AL3MZW. *$5 Monthly.* Express........**68.95**

C-540 5-Watt Mobile Station Outfit No. 2

Terrific value in a complete low-cost mobile outfit for car, truck, bus or boat. You get all this: Knight-Kit C-540 5-Watt Universal (110-130 v., 60 cycle AC/12 v. DC) Transceiver Kit; One Transmitting Crystal; Mobile Underdash Mounting Bracket; Knight KN-2575 50" Telescoping Top-Loaded Whip Antenna for CB and AM with 1-Hole Body Mount and Cables; and Allied's "Understanding and Using Citizens Band Radio" Book. *Specify Channel 1-23.* Shpg. wt., 21 lbs.

85 U 393 AL3MZW. *$5 Monthly.* Express........**66.95**

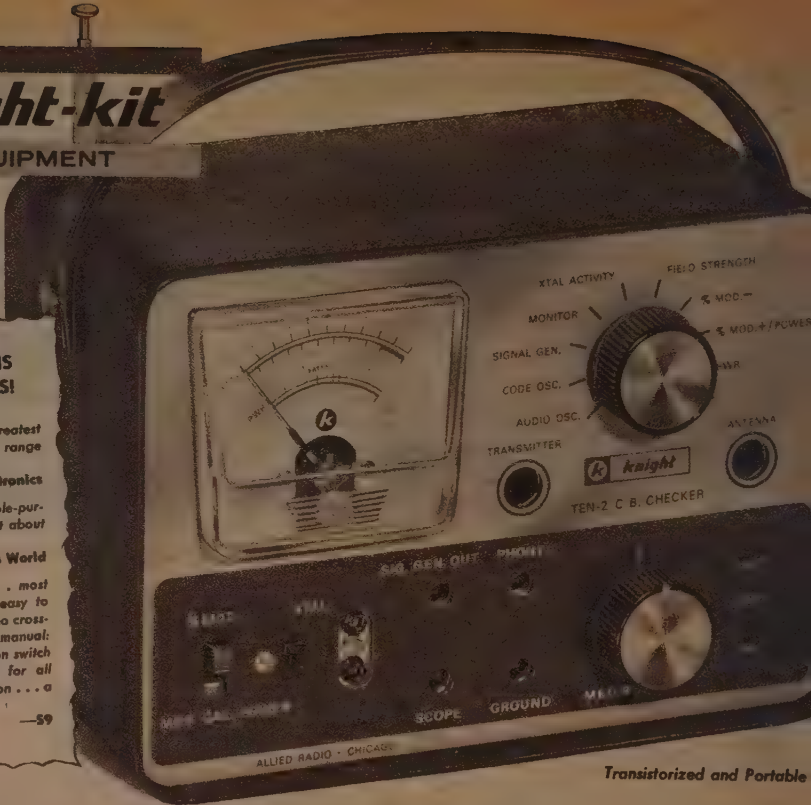
COMPLETE BASE/MOBILE OUTFIT. Save $9.71. All items in base and mobile outfits above, except only 1 CB book. *Specify Channel 1-23.* 43 lbs.

85 U 394 AL6MZW. *$7 Monthly.* Express......**134.95**

e Pages 58 and 59 for C-540 Description and Specifications

knight-kit
CB EQUIPMENT

KIT FORM OR ASSEMBLED



Transistorized and Portable

"TEN-2" EARNS RAVE NOTICES!

"Helps you . . . get the greatest efficiency and maximum range from your CB rig."
Radio Electronics

"Highly versatile, multiple-purpose tester . . . does just about everything for CB'er."
Electronics World

"Reasonably priced . . . most needed functions . . . easy to use . . . No guesswork, no cross-patching, no consulting manual: a clearly labeled function switch sets up the instrument for all tests . . . without question . . . a 'best buy'."
—S9

In Kit Form

$25.95
$5 monthly

PERFORM 10 FUNCTIONS:

✓ Measure Relative SWR
✓ Measure RF Output Power
✓ Measure Percentage of Positive Modulation
✓ Measure Percentage of Negative Modulation
✓ Measure Field Strength
✓ Measure Relative Crystal Activity
✓ Use as Signal Monitor
✓ Use as Audio Generator
✓ Use as Crystal-Controlled RF Generator
✓ Use as Code Oscillator

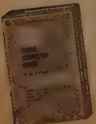
Popular "Ten-2" CB Tester Ki

- Helps You Obtain the Greatest Range and Efficiency from Your Entire CB Syste
- Built-In 5-Watt Dummy Load Permits You to Make All Necessary "Off-the-Air" Te
- Audio and RF Generator Outputs Are Extremely Helpful for Circuit Tracing
- Monitor Feature Allows You to Listen to Your Own Transceiver Signals

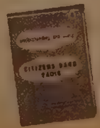
Boost your CB operating range and overall transceiver performance with th amazing "Ten-2" 10-function Citizens Band tester! Both portable and transi torized, it helps you quickly and easily evaluate and improve operating ef ciency in both fixed and mobile installations. CB operators, technicians an servicemen everywhere find the "Ten-2" invaluable for fast, accurate troubl shooting, alignment and tune-up—both in the shop, and in the field.

Easy-to-read 2″ meter has four scales and a sensitive movement. Front-pan sockets accept any standard or miniature CB transmitting crystal. Front-pan jacks are for key, headphone output, oscilloscope output, RF generator outpu Motorola-type sockets for CB antenna and transceiver inputs. Has built-in 40 telescoping antenna for field strength tests.

Battery powered, low-drain 2-transistor amplifier/oscillator circuit. Batte condition can be read on "Ten-2's" meter. Size, 5⅜x7⅝x4¼″. Charcoal gra steel case, brushed aluminum panel. Black and satin knobs. With all part wire, solder, battery, two PL-259 to Motorola-type plug adapters, and step-by step assembly instructions. Shpg. wt., 6 lbs.
83 U 823 MW. *$5 Monthly* **25.9**
83 U 561 MW. Above, factory assembled and ready to use. *$5 Monthly*. . . .**39.9**

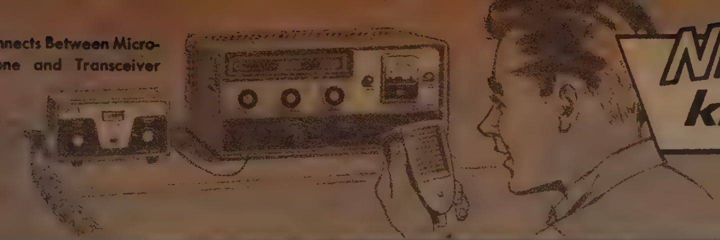


SAMS' "CB RADIO SERVICING GUIDE." By Leo G. Sands. Design and operation of transmitters, receivers and power supplies. Tuning, testing, and trouble-shooting procedures. 160 pages. Size, 5½x8½″. Wt., 8 oz.
83 U 116 EMW. **2.95**

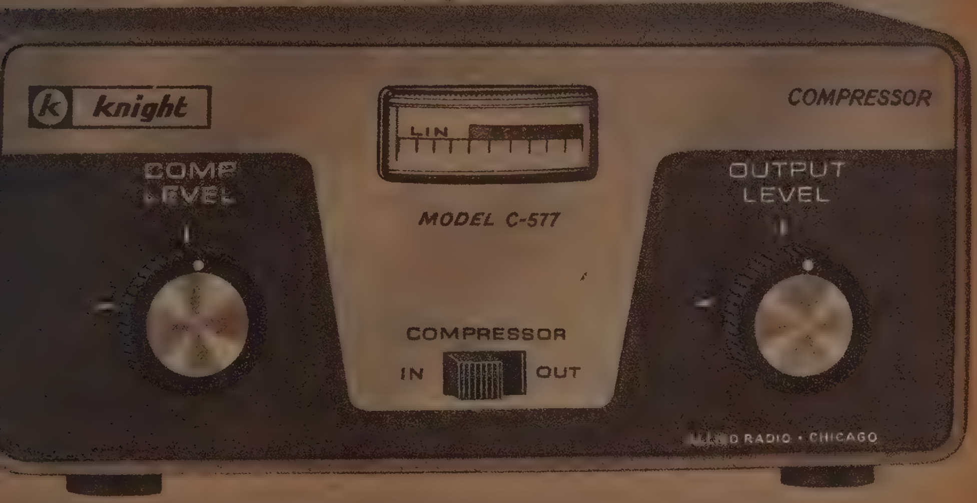


ALLIED'S OWN "UNDERSTANDING AND USIN CITIZENS BAND RADIO" BOOK. A "must" fo newcomers to CB as well as oldtimers. Help everyone make the best use out of CB equip ment. 112 pages. 5¼x8¼″.
83 U 015 MPW. Postpaid in U.S.A. **50**

Knight-Kits Are Your Finest Value In CB Gea



NEW from knight-kit



odel C-577 Audio Compressor/Preamplifier Kit

$19.95 $5 monthly

HECK THESE FEATURES!

- olid-State Circuit Design
- ncreases Talk Power and Gives Greater Range
- ow-Distortion Preamp for Low-Level Microphones
- attery Operated—Needs No Transceiver Power
- ccommodates High or Low-Impedance Microphones
- eluxe, Edge-Reading Relative Compression Meter
- eparate Compression and Output Level Controls
- witches In and Out of Circuit As Needed
- hielded Output Cables Accept Any Type Plug
- asy to Build and Connect

- True Compressor Design—Completely Free of Splatter-Causing Harmonics
- Temperature-Stable for Mobile Use—3 No-Drift Silicon Transistors and 2 Diodes
- Boosts Lower Levels of Audio Signals to Give You 100% Modulation Capability
- Limits Higher Levels of Audio Signals to Prevent Troublesome Overmodulation

Calling all CB'ers and Hams who want their signals to travel farther! Build the new C-577 and take the easy road to increased communications efficiency without exceeding legal power input. This fully transistorized, true audio compressor/preamplifier (not a clipper) gives higher average modulation output to provide greater peak power. Gives you far greater range with excellent speech clarity at long distances.

Serves as low-level preamp for both low and high-impedance mikes with minimum distortion and 26 db gain at 1 kc. Has separate and adjustable compression and output level controls. Deluxe, edge-reading meter shows relative compression. Front-panel on/off switch bypasses compressor without disconnecting.

Connects between mike and transceiver; switches in and out of circuit as needed. Assembles quickly and easily on rugged printed circuit board. Dawn-blue case measures 2⅞x6¼x3"; has sea-blue and silver front panel. 3' shielded cable. Less battery, below. Shpg. wt., 3 lbs.

83 U 816 MW. *$5 Monthly* **19.95**
83 U 005 MW. 9-Volt Battery. Takes 1. Shpg. wt., 4 oz. .... **Each 27¢**

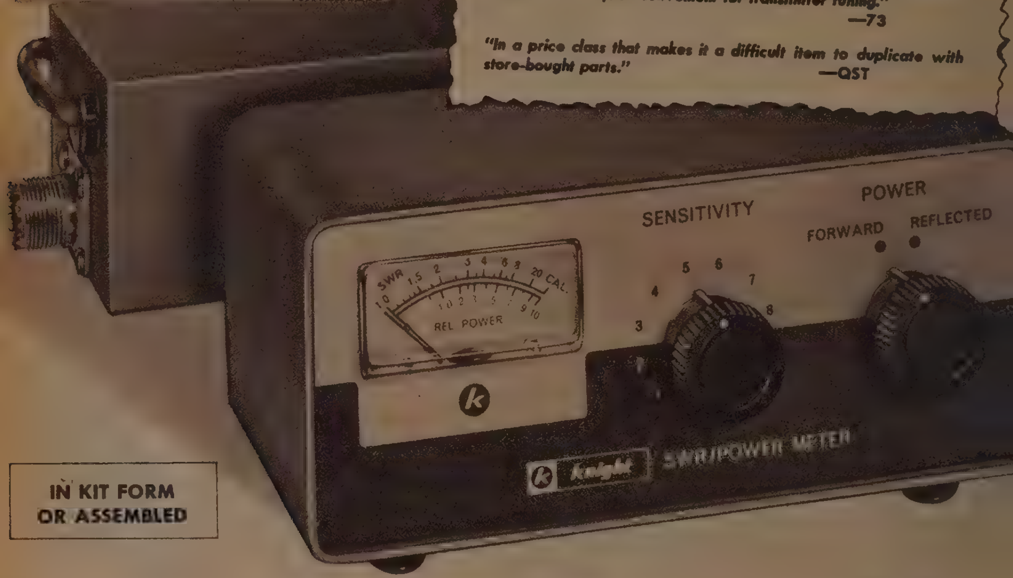
C-577 COMPRESSOR/PREAMP SPECIFICATIONS

Overall Circuit Gain: 26 decibels at 1000 cycles per second.
Compression Starts: as low as 2 millivolts.
Full Compression: with 3 millivolts input, output is 50 millivolts.
Input and Output Impedance: greater than 50,000 ohms.
Frequency Response: ±2 decibels, 300 cps to 5000 cps.
Hum and Noise: greater than 50 decibels below maximum output.
Semiconductor Complement: 3 silicon transistors plus 2 diodes.
Power Requirements: conventional 9-volt transistor battery.

P-2 EARNS FINE MAGAZINE REVIEWS!

"Assembly of the unit is very clearly shown in the detailed assembly manual . . . no real problems were encountered . . . worked perfectly . . . no adjustments were required . . . Relative power scale is quite convenient for transmitter tuning."
—73

"In a price class that makes it a difficult item to duplicate with store-bought parts."
—QST



IN KIT FORM
OR ASSEMBLED

Popular Model P-2 SWR/Power Meter Kit

New Low Price

$14.95

KIT FORM

CHECK THESE OUTSTANDING FEATURES

Flexible 2-Unit Design

Full Kilowatt Capacity

No Batteries or Power Required

1.8 to 432 Megacycle Range

For Unbalanced Lines from 50-72 Ohms, Amateur or CB

Negligible Insertion Loss—10% accuracy

Can Be Left Permanently In Line As Constant Monitor

- Covers 1.8 to 432 Mc for Amateur Bands, CB and Other Communication Servic
- Full Kilowatt Capacity, Also Works Well With Low-Power Transmitters
- Can Be Left in Line as Constant Monitor • Accuracy Better Than 10%
- Measures SWR from 1:1 to 20:1, and Relative Power from 0 to 10

Get the most from your transmitter and antenna system. Use this easy-to-asser ble SWR/Power Meter Kit to provide a constant check on your rig's efficienc Measures relative power fed to the antenna, and standing waves reflected bac from it. Lets you make your own matching adjustments between line and drive element for maximum efficiency.

Covers a frequency range of 1.8 to 432 megacycles—Amateur bands, Citize Band, and other communication services. Has a full kilowatt capacity—worl well with low-powered transmitters, too. May be left permanently in the tran mission line with negligible power loss. Uses popular SO-239 coax connector Flexible 2-unit construction—coupler and indicator units are connected by four-foot shielded cable.

100-microamp meter has 2 scales: SWR from 1:1 to 20:1; and Relative Pow from 0 to 10. Has sensitivity adjustment. Accuracy is better than 10%. Style in gray satin to match Knight-Kit T-60 transmitter. Requires no power or ba teries. Coupler, 2x5x2½"; indicator, 2⅞x6¼x3". With all parts, instruction Shpg. wt., 3 lbs.

83 U 627 MW. Was $15.95 in Catalog No. 240. . . . . **14.9**

83 U 546 MW. Above, factory assembled. *$5 Monthly* **23.9**

SPECIFICATIONS

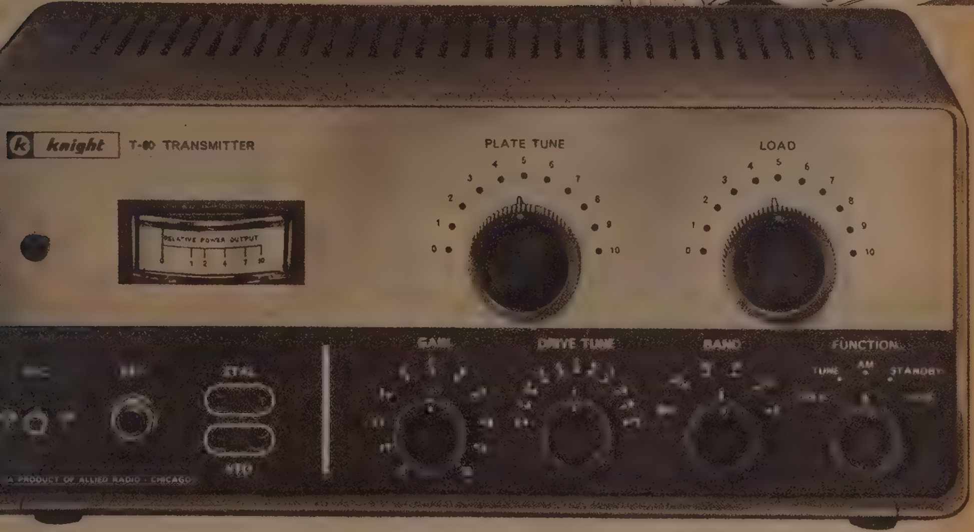
Frequency Range: 1.8 to 432 mc—includes Amateur bands.
Minimum RF Power: 45 watts at 1.8 mc; ½ watt at 432 mc for full scale meter deflection.
Maximum RF Power: 1 kilowatt.
Input/Output Impedance: 52 or 72 ohms, by changing resistor.
Accuracy: Better than 10%.
Meter Sensitivity: 100 microamps for full scale deflection.
Meter Scales: Relative Power, 0 to 10; SWR, 1:1 to 20:1.
Sizes: Coupler, 2x5x2½"; Indicator, 2⅞x6¼x3". 4-ft. cable.
Connectors: two SO-239 coaxial.

101 Ways to Use Your Ham Test Equipment

Valuable tips for Novice or veteran

Published by Howard W. Sams. Practical presentation for the Ham. Clear hook-up diagrams. 136 pp. 4 oz.
83 U 101 EMW. **2.50**

et Top Talk-Power on AM
nd Clean CW on 6 Bands With
his Feature-Packed Transmitter



T-60 60-Watt CW/Peak AM Transmitter Kit

54⁹⁵

5 monthly

- CW and AM Phone on 80 through 6-Meter Ham Bands
- 60 Watts CW/Peak AM Input on 80-10 Meters
- Clean, Chirpless, 4-Stage Simultaneous Cathode Keying
- Easy-to-Build First Rig for Novice, Technician and Ham-to-Be —Great for the Seasoned Amateur Too

st perfect for the newcomer. . and old timers too will find the compact T-60 great "second rig" for standby, emergency and portable use. Feature for feare and dollar for dollar, there's simply nothing else like the T-60 in its price ss! Controlled-carrier screen modulation on AM for top talk-power. Runs 60 tts CW and peak AM phone input on 5 bands, slightly less on 6 meters.

ean, simultaneous keying with bias resistor (no high-voltage at key). "Tune" sition protects 6DQB final amplifier during tune-up. Filtering and bypassing minate or reduce interference to nearby TV sets. Final works "straight rough" on all bands but 6 meters, where it doubles. Relative power output ter for easy tuning. Convenient single-knob bandswitching. Adjustable piupler to match 40-600 ohm antennas.

sed silicon rectifier high-voltage power supply, and many other extras. quires VFO or crystals (3.5-mc types for 80, 7-mc types for 40-10, and 8-mc pes for 6). Rear panel provides 410 VDC and 6.3 VAC to power accessories; s relay switching terminals. With all parts, tubes, wire, solder and easy-tolow instructions. Less key, mike, crystals. Shpg. wt., 15 lbs.

U 294 MXW. *$5 Monthly*. **54.95**

SPECIFICATIONS

Band Coverage: 80, 40, 20, 15, 10 and 6 meters. **Modes:** controlled-carrier AM phone or CW. **Power Inputs:** 60 watts CW/peak AM input on 80 through 10 meters; slightly less on 6 meters. **Frequency Control:** crystals or external VFO. **Tube Complement:** 6FH8 crystal oscillator/ buffer multiplier, 12AX7 speech amplifier/1st audio, 6DR7 driver/modulator, 6DQ6B final RF amplifier. **Output Coupling:** pi-network. **Output Impedance:** 40-600 ohms (coaxial connector). **Cabinet Size (HWD):** 5x12x7". **Power Requirements:** 110-130 volts, 60 cycle AC. **Power Consumption:** 110 watts.

SINGLE-KNOB BANDSWITCHING
You flip the handy bandswitch control to move from band to band with speed and ease

RELATIVE POWER OUTPUT METER
Makes "tune-up" a breeze—just tune for maximum deflection

CONTROLLED CARRIER SCREEN MODULATION
Built-in modulator gives you top "talk power" on AM phone

CRYSTALS FOR T-60. Specify frequency. Shpg. wt., 3 oz.

90 U 381 CMS.	3500-3900 kc.	**2.95**
90 U 402 CMS.	7000-7334 kc.	**2.95**
90 U 404 CMS.	8340-8450 kc.	**2.95**

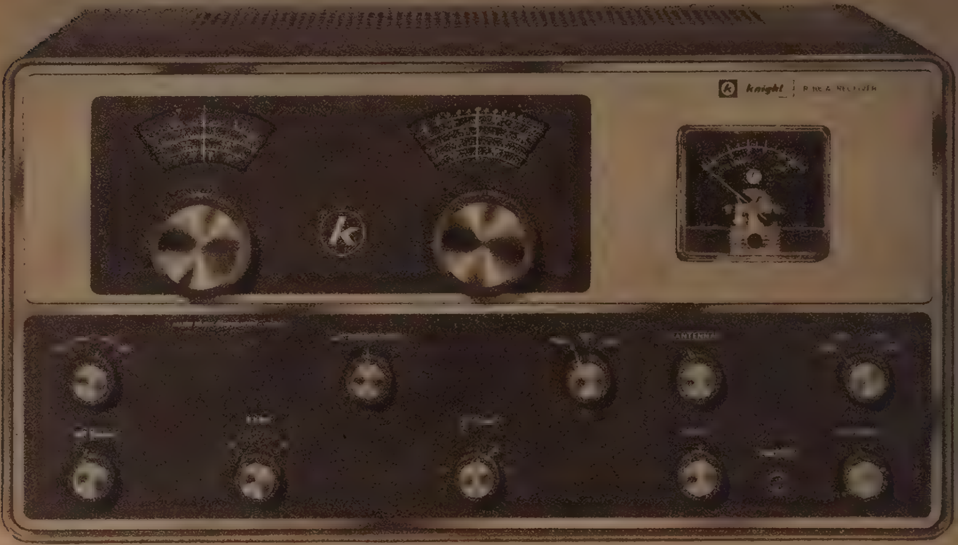
Radio Amateur's Handbook

Latest edition. The Ham's "Bible." Theory, equipment, construction, operating practices of HF, VHF, UHF phone, CW and SSB. 700 pp. 6½x 9½". 1 lb.

83 U 228 EMW. **4.00**

Communications Receiver Ki

KNIGHT-KIT'S FINEST RECEIVER KIT



Shown with Optional S-Meter

Optional S-8A Speaker

Deluxe R-100A Communications Receiver Kit Offers Top Selectivity, Sensitivity, Stability

$99.95

$5 monthly

- Sensitivity Better Than 1½ Microvolts for 10 db S/N
- All-Mode Q-Multiplier Peaks Signal or Nulls QRM
- Selectivity Variable from 300 cps to 4500 cps
- Covers 540 kc to 30 mc in 4 Bandswitched Ranges
- Calibrated Electrical Bandspread for 80-10 Meters

An outstanding achievement in communications receiver design, this superb kit has earned phenomenal acceptance from Ham and seasoned shortwave listener alike! There's no receiver like it in its price class. And, it has all the selectivity, sensitivity and stability of far more expensive factory-wired units. Employs a unique printed circuit bandswitch and modern etched circuit boards to eliminate critical "lead dress" in RF oscillator and mixer circuits, to reduce assembly time, and to assure highly reliable performance.

Exceptional overall sensitivity—better than 1½ µv for 10 db S/N—on 40 and 80 meters, it's actually ½ to ¾ µv! Built-in Q-multiplier works on CW/AM/SSB to null QRM with deep, 60-db notch, or to peak desired signals, 70 db. Selectivity is continuously variable from 300 to 4500 cps. Regulated B+ on HFO holds drift to a minimum. Close tolerance, slug-tuned coils assure easy alignment. Also has: tuned RF stage; exalted BFO and RF gain control to aid in copying SSB; front-panel phone jack; vernier planetary drive—no dial stringing; ANL; delayed AVC; antenna trimmer—lots more.

Gray satin metal case. With all parts and detailed assembly and operating instructions. Less accessories, below. Shpg. wt., 29 lbs.

83 U 406 MUW. *$5 Monthly*	**99.95**
83 U 424 MW. S-8A Speaker Kit. Specially designed 4″ speaker peaks voice frequencies. Styled to match R-100A. 6⅞x6⅝x5⅝″. 4 lbs.	**9.95**
83 U 423 MW. S-Meter Kit. Reads up to +40 db over S9. 1 lb.	**12.95**
83 U 256 MW. Crystal Calibrator Kit. Builds into R-100A. Gives 100-kc markers. Trimmer zero-beats WWV. 3½x2½x1½″. 1 lb.	**10.95**
83 U 257 MW. Dual Headset with Phone Plug Attached. 1 lb.	**2.50**

SPECIFICATIONS

Sensitivity: Better than 1½ µv for 10 db S/N on bands B, C, D; 4 µv, band A (broadcast).

Selectivity: Q-multiplier, in Peak position, provides continuously adjustable IF bandpass from 300 cps to 4500 cps at 6 db down; with up to 70 db peak, provides 60 db notch in Null position. **IF:** 455 kc.

Tubes: 6BZ6 RF, 6BH8 mixer/HFO, 6AZ8 1st IF, 6AZ8 2nd IF/1st audio, 6BC7 detector-AVC-ANL, 6AW8A BFO/audio, 12AX7 Q-multiplier; plus 6X4 rectifier, OB2 voltage regulator.

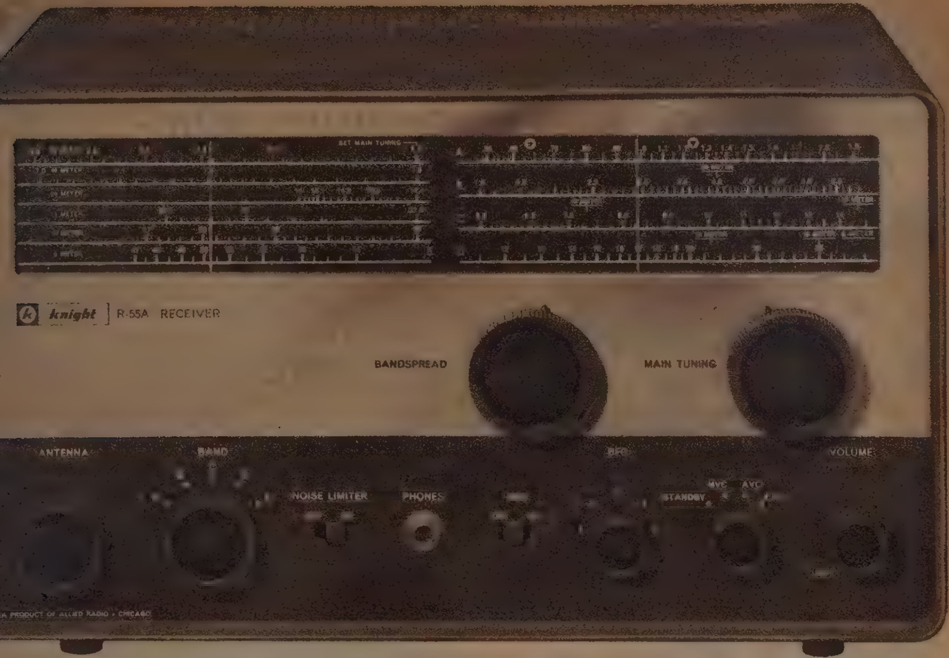
Antenna Imped.: 50-300 ohms.

Audio Output Imped.: 8 ohms.

Dimensions (HWD): 9⅛x17⅛x 9⅝″.

Power Required: 110-130 volts, 60 cycle AC; 45 watts.

Low-Cost Communications/Ham Receiver Kit



Value-Packed R-55A Receiver Kit Tunes 530 kc to 36 mc plus VHF from 47 to 54 mc

59^{95}

$5 monthly

- Covers 530 kc to 36 mc and 47 to 54 mc in 5 Ranges
- Easy-to-Build "First Set" for Amateurs, Hobbyists, Students and Shortwave Listeners
- Built-In Speaker; Calibrated Electrical Bandspread
- Noise Limiter; Variable BFO; Antenna Trimmer

lent choice for the armchair adventurer, electronics fan or beginning Ham, -55A tunes the standard AM broadcast band and worldwide shortwave 530 kc to 36 mc, plus VHF from 47 to 54 mc. Six separate direct-reading are calibrated for the 80 through 6-meter Amateur bands. Flywheel- d main tuning and bandspread dials plus huge illuminated slide-rule scales contribute to smooth, effortless station selection. Fused, transformer-type supply. Self-contained 3½" speaker provides clear voice and crisp CW duction. Other outstanding features: front-panel headphone jack for e listening; AVC to reduce fading and blasting; variable BFO for code tion; antenna trimmer to peak incoming signal; standby switch; provision building in" crystal calibrator, listed below. Gray metal cabinet matches transmitter kit on page 75. Supplied with all parts, tubes, wire, solder nstructions. Shpg. wt., 24 lbs.

417 MUW. *$5 Monthly*	**59.95**
256 MW. Crystal Calibrator Kit. Gives 100-kc markers. 1 lb.	**10.95**
257-MW. Dual Headset and Phone Plug. Wt., 1 lb.	**2.50**
099 MW. Outdoor Antenna Kit. Wire, lead-in, hardware. 1 lb.	**98¢**

SPECIFICATIONS

nges: band A, 530 to 1900 kc; band B, 1.8 to 6.3 mc; band C, 6 to 14.5 ; band D, 11.5 to 33 mc; band E, 47 to 54 mc. **Image Rejection:** 42 db 80 meters; 14 db at 6 meters. **Tubes:** 6BE6 mixer/oscillator, 6BZ6 1st amplifier, 6AW8A 2nd IF amplifier/audio driver, 6AL5 detector- C/noise limiter, 6AW8A BFO/audio output; plus EZ90 rectifier. **Inter- diate Frequency:** 1650 kc (two stages of amplification). **Size (HWD):** x14¾x10¼". **Power:** 110-130 volts, 60 cycle AC, 60 watts.

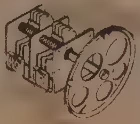
Check These Features

HUGE EDGE-LIT SLIDE-RULE DIAL

Brightly illuminated, easy-to-read dial scales are clearly calibrated in megacycles

MODULAR COIL ASSEMBLIES

Two modular coil assemblies add to ease of assembly, give fine coil-bank shielding. Coils mount on L brackets and assemble before mounting.



CALIBRATED ELECTRICAL BANDSPREAD

Bandspread capacitor "spreads out" crowded signals on the 80 thru 6-meter Ham bands

2 STAGES OF I.F. AMPLIFICATION AT 1650 KC

for sharp selectivity and high image rejection.

knight-kit

AMATEUR GEAR

Get Started in Ham Radi
with knight-kit Outfit

Low-Cost Station Outfit with T-60 and R-55A Kit

Save $13.11 on Complete Outfit $\$134^{95}$ $7 monthly

- Knight-Kit T-60 6-Band 60-Watt CW/Peak AM Transmitter Kit
- Knight-Kit R-55A Communications Receiver Kit
- Electro-Voice Model 727 Microphone with Stand and Cable
- Dual Headphones with Phone Plug Installed
- Your Choice of 2 Transmit Crystals: Select From 3515, 372 3880, 7020 or 7160 kc
- 50 Feet of RG-8/U Foam Coax Cable and Connectors
- Hand Key with Shorting Switch and Adjustable Tension
- Howard W. Sams Book: "So You Want to Be a Ham"

Separately, $148.06. T-60 has 60 watts CW/peak AM input o through 10 meters—slightly less on 6. Pi-network output for 40 ohm antennas. R-55A tunes 530 kc to 35 mc and 47 to 54 mc bands. Calibrated electrical bandspread on Ham bands, 80 thr Built-in spkr.; BFO; noise limiter; antenna trimmer. 55 lbs.
85 U 321 AL3MUW. *$7 Monthly. Specify 2 Crystals*.........**134**

OUTFIT WITH T-60 AND R-100A DELUXE COMMUNICATIONS RECE *Save $16.01.* Same as outfit above, but with R-100A Deluxe C munications Receiver Kit (below left) in place of R-55A. In addi includes S-8A Matching Speaker Kit and S-Meter Kit. See R-1 description, below. Shpg. wt., 69 lbs.
85 U 387 AL3MUW. *$10 Monthly. Specify 2 Crystals*.......**194**

R-100A Outfit
$\$139^{95}$
$7 monthly

R-100A Receiver Kit Outfit

- Knight-Kit R-100A Communications Receiver Kit
- Knight-Kit S-8A Matching Speaker Kit
- Knight-Kit Crystal Calibrator Kit (Builds into R-100A)
- Knight-Kit S-Meter Kit (Builds into R-100A)
- Dual Headphones with Phone Plug Installed
- Outdoor Antenna Kit with Mounting Hardware
- A.R.R.L. Radio Amateur's Handbook (Current Edition)
- A.R.R.L. Amateur Station Logbook

Our finest Ham receiver outfit. The R-100A tunes 540 kc to 30 mc in 4 bandswitched ranges. Has calibrated electrical bandspread on 80 through 10 meters—also tunes 160. Better than 1½ μv sensitivity for 10 db S/N. All-mode Q-multiplier has 60-db notch, or peaks desired signal 70 db. Continuously variable selectivity from 300 cps to 4½ kc. Most asked-for accessories round out this terrific value. Shpg. wt., 42 lbs.
85 U 322 AL2MUW. *$7 Monthly*.................**139.95**

R-55A Outfit
$\$67^{9}$
$5 monthl

R-55A Receiver Outfit

- Knight-Kit R-55A Communications Receiver Kit
- Dual Headphones with Phone Plug Installed
- Wen Model 75 Soldering Pistol with Spotlight
- Outdoor Antenna Kit with Mounting Hardware
- Howard W. Sams Book: "So You Want to Be a Ham
- A.R.R.L. Amateur Station Logbook

Top-value beginning Amateur or shortwave listener o Popular R-55A receiver tunes 530 kc to 36 mc and 54 mc in 5 bands. Calibrated electrical bandspread o Ham bands, 80 through 6 meters. Features bu speaker; BFO; noise limiter; AVC; antenna trim superhet circuit with two 1650 kc IF's; standby sw and huge, illuminated slide-rule dials. Fused, transfor type power supply. Flywheel-loaded main tuning. H phones, antenna kit and other accessories help set yo for top-notch reception. Shpg. wt., 28 lbs.
85 U 319 AL2MUW. *$5 Monthly*..................**67**

ave Fun Learning Code the *knight-kit* Way!

GET STARTED IN AMATEUR RADIO

one, after passing an FCC examination on Morse Code basic electronics theory, can get in on this rewarding y. Allied's staff of experienced Radio Amateurs has ted the top-value code-practice and theory packages on page to help you prepare for these exams. It takes some y and practice, but in no time at all, you're ready for a me of fun and enjoyment—communicating with other s *around the world.*

LC-1 CODE OSCILLATOR
LIGHT SPEAKER PHONES
knight
IN KIT FORM
OR ASSEMBLED

udes
d Key,
ery

KIT FORM
$7.95

Model LC-1 Code Practice Oscillator Kit

• Learn By Watching Flasher or Listening to Built-In Speaker
• For Group or Individual Practice • Portable, Battery-Powered

ing Amateurs, Scouts, students, hobbyists . . this portable, state code practice kit makes learning the International Morse almost effortless. The adjustable hand key gives you the " of on-the-air operation right away. You learn fast as you n the built-in flasher, or listen to the clear tone through the -in speaker. Advanced-design 2-transistor circuit gives you y of volume for group practice. If you prefer operating privately, imply plug headset (optional, below) into the front-panel phone Since the LC-1 is completely portable, you can practice ever you go, indoors or out.

mbling this kit is a breeze thanks to Knight-Kit's picture-clear, by-step instructions. In just a few hours, you're ready to begin icing. Uses 1½-volt "C" battery for power. Under normal use, battery lasts several months. Has black bakelite case with alumi- panel and charcoal gray trim. 2x6¼x3¾". Includes all parts, key battery. Shpg. wt., 2 lbs.

432 MW...**7.95**
501 MW. Above, factory assembled...........................**10.95**
257 MW. Dual Headset. Includes phone plug factory-installed.
 wt., 1 lb...**2.50**

Value-Packed LC-1 Code Practice Starter Packages

LC-1,
4-Book Set,
Code Course
Record

$12.95

Deluxe LC-1 Package

Includes LC-1 Code Oscillator Kit, 10-lesson code course on a 12-inch 33⅓ rpm record, and A.R.R.L. set of 4 books: *How to Become a Radio Amateur, Learning the Radio-Telegraph Code; Radio Amateur's License Manual, Operating An Amateur Radio Station.* Shpg. wt., 4 lbs.

85 U 327 AMW..............**12.95**
85 U 371 AMW. With wired LC-1.15.95

LC-1 AND CODE COURSE RECORD. Knight-Kit Model LC-1 Code Practice Oscillator Kit, plus Allied's 10-lesson code course complete on a 12-inch 33⅓ rpm recording. Each side has 5 lessons, from start up to 15 words per minute. Includes helpful 20-page manual. Shpg. wt., 2 lbs.

85 U 326 AMW..............**11.95**
85 U 370 AMW. With wired LC-1 14.95

LC-1 AND BOOKS. LC-1 Kit and popular A.R.R.L. "Gateway to Amateur Radio" set of these books: *How to Become a Radio Amateur; Learning the Radio-Telegraph Code; Radio Amateur's License Manual; Operating An Amateur Radio Station.* 3 lbs.

85 U 325 AMW..............**8.95**
85 U 369 AMW. With wired LC-1.11.95

r Dollar Buys More with Extra-Value Knight-Kits

G-30 Grid-Dip Meter Kit

Finest Grid-Dip Meter Kit Available At This Sensational Low Price

NEW LOW PRICE
$19.95 KIT FORM
$5 monthly

- Continuous Overlapping Coverage from 1.5 to 300 Megacycles
- Scales Color-Coded to Match Coils
- Compact, Only 1⅝″ Deep
- Supplied With Set of 6 Coils

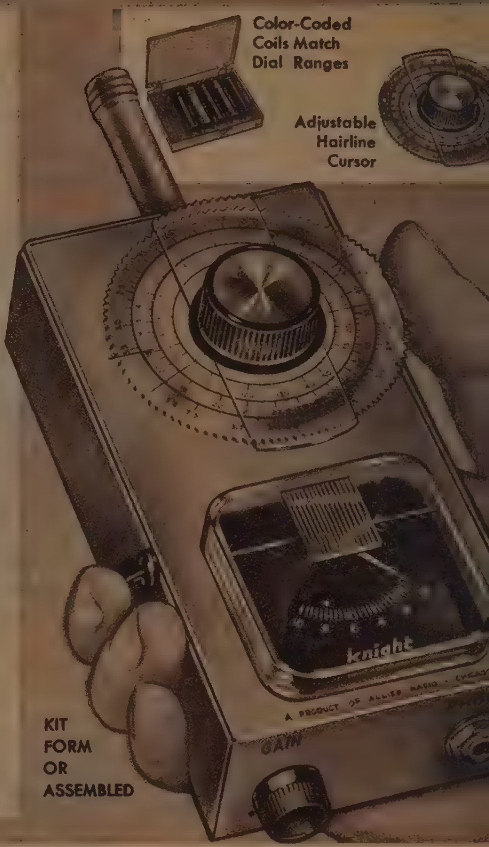
You'll find hundreds of uses for this invaluable instrument in and around your Ham shack, lab, or shop. Versatile unit serves as a sensitive grid-dip oscillator to determine resonant frequency, as well as an oscillating detector, signal generator and absorption wavemeter. Covers all frequencies from 1.5 to 300 megacycles in 6 overlapping ranges.

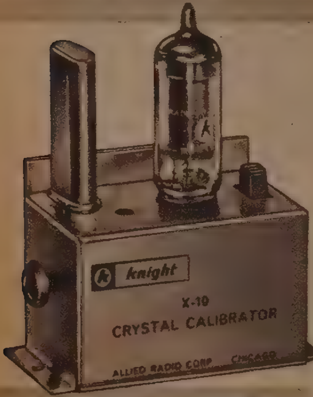
Calibrated dial and movable hairline cursor for fast, accurate readings. Instrument is excellent for receiver alignment, adjustment of wave traps, finding parasitic oscillations, adjusting antennas. Ranges are color-coded to match coils. Undamped meter movement responds instantly. Variable sensitivity control for optimum grid current adjustment.

Extremely stable. Entire band may be tuned without readjusting gain. High-grade molded socket holds plug-in coils securely, withstands rugged use. Just plug in standard-spaced crystal, and unit becomes a crystal oscillator. Phone jack permits use as modulation monitor and regenerative detector. Also determines inductance and capacitance. 6AF4A oscillator, selenium rectifier. Size, 6⅜x3¼x1⅝″. Includes plastic case with 6 coils, full instructions. For 110-130 v., 50-60 cycle AC. Shpg. wt., 2 lbs.

83 U 721 MW. Was $22.95. *$5 Monthly*........**19.95**

83 U 564 MW. Above, factory assembled. With operating instructions. Shpg. wt., 2 lbs. *$5 Monthly*..**29.95**





X-10 100-kc Crystal Calibrator Kit

With Crystal
$10.95

- Provides Frequency Marker Every 100 Kilocycles to 35 Megac
- Convenient Trimmer Permits Zero-Beating with Station WW
- Builds into Knight-Kit R-100A, R-55A, and Other Receivers
- Extremely Compact Size
- Includes 100-Kc Crystal

Low-cost secondary frequency standard produces harmonics every 100 kc up to 35 mc. Markers give check points that are extremely accurate in the 160 to 10-meter Ham bands and in the international SW bands. An Amateur "must" for accurate dial calibration and marking band edges. Has trimmer for zero-beating with WWV, or any station on a multiple of 100 kc. Only 4 wires to nect. Requires 6.3 VAC or DC, at ma, and 150-300 VDC at 6 and 3 respectively. Has on-off switch. wire, solder, hermetically sealed kc crystal, easy instructions. 3½x 1½″, fits inside most Amateur recei Shpg. wt., 1 lb.

83 U 256 MW....................**10**

A

B

INFORMATIVE BOOKS ON USE OF GRID-DIP METERS

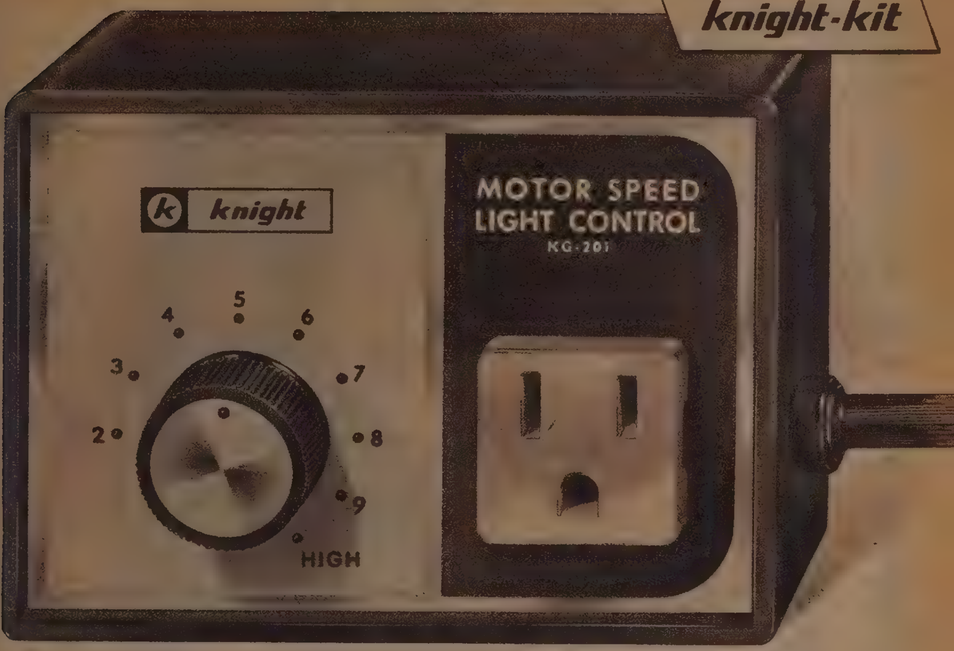
A **HOW TO USE GRID-DIP OSCILLATORS.** By R. P. Turner, K6AI. Covers principles, circuits, measurements, applications, etc. 112 pages. Illustrated. 5½x8½″. Shpg. wt., 4 oz.

83 U 154 EMW.....................**2.50**

B **SERVICING WITH GRID-DIP METERS** John D. Lenk. Chapters on the operating procedures, servicing, m uring inductance and capacitance. pages. 5½x8½″. Wt., 8 oz.

83 U 155 EMW.....................**2**

NEW from **knight-kit**



ontrol Motor-Speeds and Lights..Electronically

KG-201 Motor-Speed/Light Control Kit

Controls Speed of Portable Power Tools
With Up to 7½-amp AC-DC Motors
Varies Intensity of Incandescent Lamps
Controls Appliances with Heating Elements

$\$9^{95}$

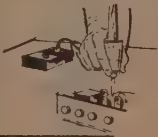
the right power tool speed for the job, every time. The
201 outperforms many controls costing far more. For sewing
ines, blenders, modelmaker lathes . . . also for portable drills,
sanders, grinders, and other tools with universal AC-DC
rs to reduce speed for working on hard materials or in tight
rs. Virtually no loss of torque, even at low speeds. Can be
with a soldering iron (not with transformer-type guns) to
heat for protection of delicate components. Controls bright-
of incandescent lamps, photography photofloods. Use with
ng pads, coffee makers and toasters.

-state circuit uses silicon-controlled rectifier and two diodes.
rated control adjusts output. In full "on" position appliance
at normal speed. For any universal-wound AC-DC motor-
n device with nameplate rating of 7.5 amps or less. Usable
resistive loads up to 900 watts, and incandescent lamps up
0 watts. Handles 10-amp surges. (Not for AC-only motors,
tes with most DC-only motors.)

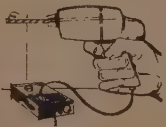
cted by thermal circuit breaker. Output receptacle and 6-ft.
r cord are 3-wire grounded types for safety. Easy-to-assemble.
on controlled rectifier is premounted on heat sink. Only
lx1½". For 110-130 v., 50-60 cycles AC. With all parts,
ctions. Shpg. wt., 2 lbs.
335 MW............................... **9.95**

HUNDREDS OF USES

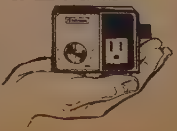
Reduces speed of rotary sander or buffer for better control over fine finishing



Limits soldering iron heat to protect semiconductors and other components



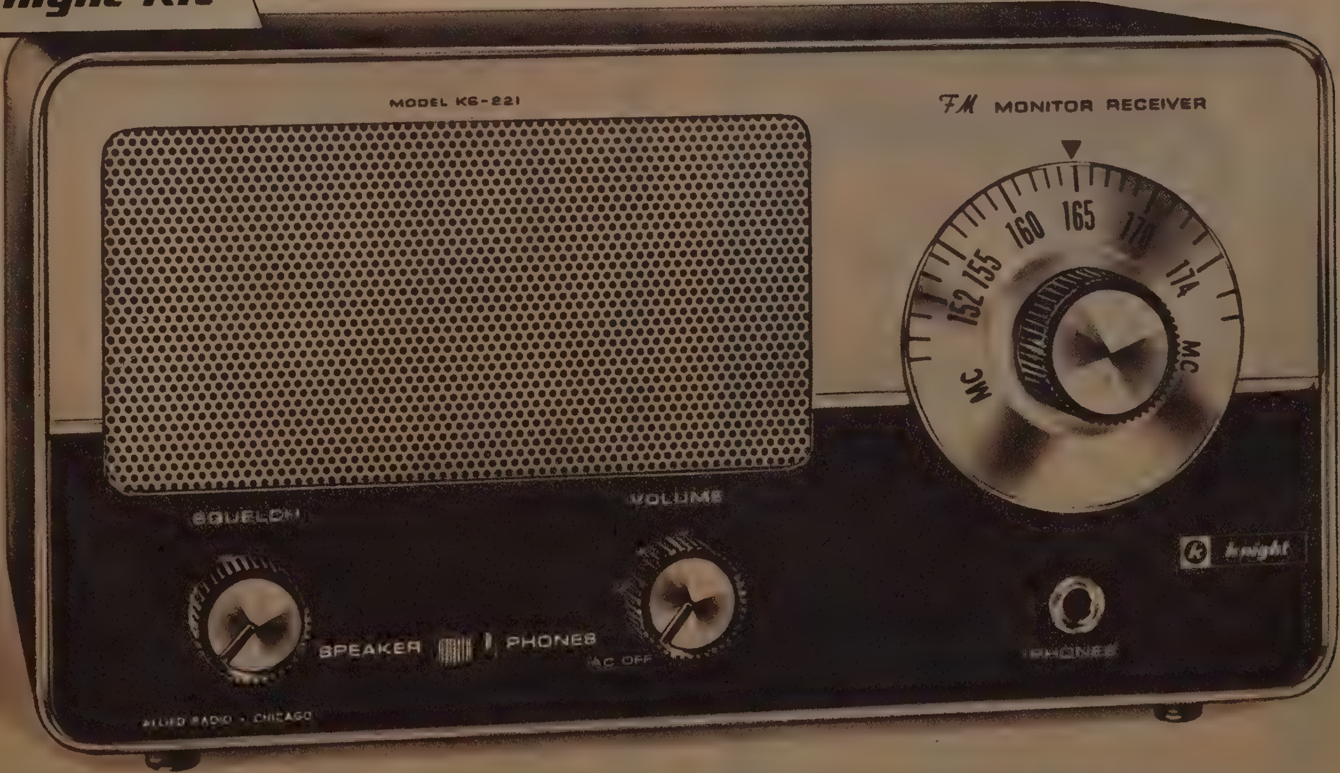
Drill through tough steel, drill plastic without gumming, stir paint, drive screws



Small and inconspicuous. Convenient single control. Complete with 6-ft. power cord

NEW from knight-kit

Sensitive, Special-Purpose VHF FM Receiver Kits


MODEL KG-221
FM MONITOR RECEIVER
152
155
160
165
170
174
MC
MC
SQUELCH
VOLUME
SPEAKER
PHONES
AC OFF
PHONES
knight
ALLIED RADIO • CHICAGO

FOR THRILLING AIRWAVE MONITORING AND LISTENING
TO EMERGENCY, POLICE, AND WEATHER BROADCASTS

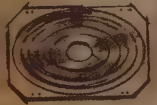
Either Model $\$39^{95}$ $5 monthly

CHECK THESE FEATURES!

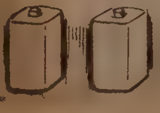
Factory-Preassembled and Tuned Front-End; plus Vernier Tuning

All-Electronic Transistorized Squelch Circuit Silences Receiver Between Calls

Front-Panel Switch and Headphone Jack Allows Choice of Reception


Large 3x5" PM Speaker and Powerful Output for Plenty of Room-Filling Sound

Power Transformer for Highest Operating Efficiency and Maximum Line Isolation Safety


Has Two High-Gain IF Amplification Stages that Give Excellent Selectivity

Easy-to-build receiver for informative, useful coverage of emergency, public service and industrial communication frequencies. You monitor police and fire calls; hear messages on civil defense; listen to forestry and conservation services, taxis, railroads, highway trucks, public utilities, and direct U.S. Weather Bureau forecasts. You'll enjoy being "in" on this fascinating panorama of VHF FM radio, and always being informed of the latest happenings. See box at lower right for a listing of broadcasts available on the VHF FM bands.

Deluxe circuit features: transistorized, all-electronic squelch with front-panel control that silences receiver between calls; two IF amplification stages for top-notch selectivity; velvet-smooth vernier tuning for effortless station selection; built-in 3x5" PM speaker with 1-watt output circuit for room-filling sound. Front-panel switch selects built-in speaker or headphones (can also be used with 4 or 8 ohm remote speaker)—output jack on front panel.

Also has ratio detector to minimize interference; pilot light; volume control; screw terminals for antenna connection; and power transformer for highest operating efficiency and line isolation. Has 5 tubes and 1 transistor for equivalent 8-tube performance. Silicon diode rectifier in power supply. Blue metal case, $5\frac{7}{8}$x$11\frac{1}{4}$x$5\frac{7}{8}$". Charcoal gray and silver panel. All parts, instructions. For 110-130 v., 60 cycle AC. Shpg. wt., 10 lbs.
83 U 310 MW. *$5 Monthly*.......................................**39.95**

KG-220 30 to 50 Mc VHF FM Receiver Kit

Similar to KG-221 above, but for lower band coverage. Monitors the same type of services with certain exceptions—see box at right.
83 U 311 MW. *$5 Monthly*.......................................**39.95**

KG-220 and KG-221 Receiver Accessories

83 U 187 MXW. Hy-Gain GP-150 144 to 174 Mc ¼-Wave Ground Plane Antenna. For best reception with Model KG-221 receiver. Shpg. wt., 2 lbs................**5.40**

83 U 188 MXW. Hy-Gain GP-50 30 to 50 Mc ¼-Wave Ground Plane Antenna. For best reception with Model KG-220 receiver. Shpg. wt., 6 lbs..............**12.95**

83 U 220 MW. PL-259 Connector. For GP-50 antenna. Shpg. wt., 3 oz.........**48¢**

83 U 257 MW. Dual Headphones with Phone Plug. Shpg. wt., 1 lb...............**2.50**

83 U 156 MW. 25 Feet of RG-58/U Coax Cable. For lead-in. Wt., 1 lb........**1.43**

83 U 204 MW. 50 Feet of RG-58/U Coax Cable. For lead-in. Wt., 2 lbs.......**2.22**

KG-220/KG-221 RECEIVER SPECIFICATIONS

FM Tuning Range: KG-220, 30 to 50 Mc; KG-221, 152 to 174 Mc.
Bandwidth: 100 kilocycles at 6 db down.
Sensitivity: 10 microvolts at plus or minus 5 kilocycles deviation.
Audio Output: 1 watt to built-in speaker or external speaker/headphones.
Built-In Speaker: 3x5" oval, permanent magnet type.
Squelch: transistorized and variable, front-panel control.
Squelch Sensitivity: opens for signals as small as 5 microvolts.
IF Frequency: 10.7 Megacycles.
Number of IF Amplification Stages: 2.
Active Elements: 5 vacuum tubes and 1 transistor for equivalent 8-tube performance; silicon diode rectifier in power supply circuitry.
Antenna Impedance: matches 50 to 75 ohms.
Power Consumption: 30 watts nominal.

FROM ALL THESE SERVICES!

Railroads

Police

Weather

Fire

Civil Defense

Taxis

152 155 160 165 170
MC
30 35 40 45 50
MC
MC

NOTE—Frequency Allocations May Differ Slightly in Your Area. Be Sure to Check with Local Authorities for the Specific Frequencies Used By the Various Services Operating in Your Own Community.

KG-221 covers 152 to 174 mc FM band for: police, fire, civil defense, other emergency services, U.S. Weather Bureau forecasts, railroads taxis, forestry and conservation, power utilities (gas and electric), highway trucks, private mobile telephone.

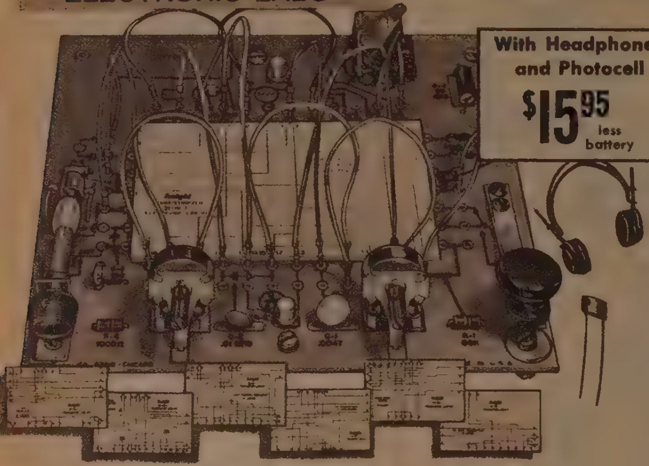
KG-220 covers 30 to 50 mc FM band for: police, fire, civil defense and other emergency services, industrial highway maintenance, power utilities (gas and electric), forestry and conservation, trucks, radio paging service, private mobile telephone.

knight-kit

ELECTRONIC LABS

21-in-1 Transistor Lab Kit

LEARN THE WONDERS OF ELECTRONICS



With Headphones and Photocell

$15⁹⁵ less battery

Keep Up-to-Date with Space-Age Electronics . . Grasp the Fundamentals of 21 Fascinating Experiments in Solid-State Circuitry . . With This Fun-Filled Transistor Lab Kit

Take a thrilling adventure into the space-a world of transistors. Operate your own rac station and broadcast through any near radio. Amaze your friends by turning ele trical equipment on and off with your voi or with a beam of light. Hear local radio s tions on any of the 21-in-1's AM receivers there's even one that's powered by sunligh All in all, you perform 21 useful projec

Durable printed circuit board makes assem really easy. Plug in parts and solder them ju once. Follow layout shown on special gui cards. Pin-type leads plug into number jacks; rearrange leads to change projec

Manual gives a concise, clearly written planation on what each circuit does and wh makes it work. Supplied with all parts cluding 2 transistors, dual headphones (a used as microphone), plug-in leads, gui cards, relay and photocell. Battery powere less battery, below. Shpg. wt., 2 lbs.

83 U 624 MW. **15.9**

83 U 213 MW. Battery. Wt., 4 oz..........**8**

Build 21 Circuits by Just Shifting Wired Leads

SOLAR-POWERED OSCILLATOR
LIGHT-OPERATED RELAY
BODY-CAPACITY ALARM
SOLAR-POWERED RADIO
VOICE-OPERATED RELAY
WIRELESS BROADCASTER
MAGIC MUSIC MAKER
1-TRANSISTOR RADIO
2-STAGE AM RADIO
ELECTRONIC FLASHER
AUDIO AMPLIFIER
ELECTRONIC SWITCH
SIGNAL INJECTOR
ELECTRONIC SCALE
ELECTRONIC TIMER
TELEPHONE
CW TRANSMITTER
ELECTRONIC CAT
LIGHT RECEIVER
CODE OSCILLATOR
BURGLAR ALARM

12-in-1 Lab Kit

ELECTRONIC "MAGIC" FUN

With Mike and Photocell

$16⁹⁵

A Great, Low-Cost Way to Get into Electronics As a Hobby . . .

There's fun for all when you use your 12-in-1 kit to make electronic "magic" the enjoyable Knight-Kit way. And you learn the fundamentals of electronics while performing 12 practical and interesting projects.

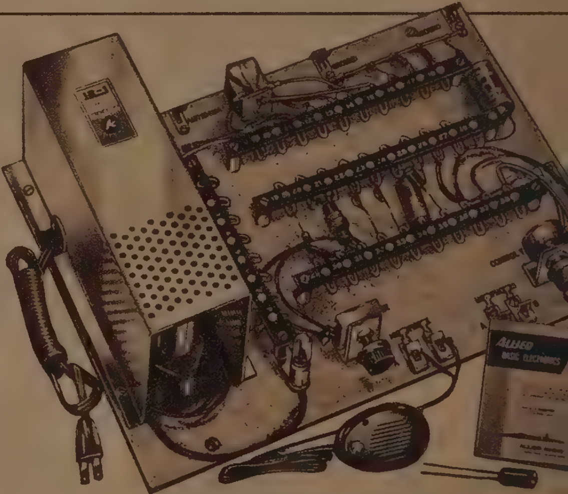
Control electrical devices by stepping on a metal plate, speaking into a microphone, or by flashing light on a photocell. Make "music" by moving your hands in a beam of light. Even broadcast your voice through an AM radio!

Just resolder leads to change circuits. Transformer power supply. 8x11" mounting board. With free "Basic Electronics" book, mike, photocell, instructions. Less headphone, below. For 110-130 v., 50-60 cycle AC. 5 lbs.

83 U 207 MW. With Free Book...........**16.95**

83 U 028 MW. Single Headphone. Wt., 8 oz..**1.08**

83 U 027 MW. Dual Headphone. Wt., 12 oz..**2.08**



Includes Mike, Photocell and Book

Build 12 Amazing and Instructive Projects

MAGIC MUSIC OSCILLATOR
ELECTRONIC FLASHER
WIRELESS BROADCASTER
BROADCAST RECEIVER
CODE TRANSMITTER
ELECTRONIC TIMER
CAPACITY RELAY
ELECTRONIC SWITCH
VOICE RELAY
CODE PRACTICE OSCILLATOR
AUDIO AMPLIFI
LIGHT RELAY
Plus FREE
"Basic Electronic
Study Guide

An Experimenter's Dream! You Build . . .

2 Radio Receivers • Electronic Thermometer • Code Flasher
pplause Meter • Phonograph Amplifier • Light Meter • Metronome
rglar Alarm • Flashlight Battery Charger • Lie Detector
de Transmitter • Polarity Checker • Magic Music Oscillator
e Alarm • Electronic Talker • PLUS, OVER 75 MORE!

form electronic experiments with more fun, more thrills, more
yment than you ever imagined possible! Create exciting
ects that entertain as well as instruct. There's nothing like
100-in-1 for young students, hobbyists and aspiring techni-
s. You need only a screwdriver—no soldering. Once the main
s are mounted on the master control panel, simply reposition
w leads and parts to change circuits. Spring-type connectors
l wire and small components in place. Includes solar-type
tocell, meter, tube and transistors, power transformer, dual
dset, antenna, speaker and illustrations of each project. 156-
e manual explains each circuit. 8x14½x8". For 110-130 v., 60
e AC. Shpg. wt., 8 lbs.
997 MW. *$5 Monthly*.............................**29.95**
848 M. Electronic Puzzles and Games. Informative book is
s of fun. 128 pages. 5½x8½". Shpg. wt., 8 oz...........**1.95**

knight-kit

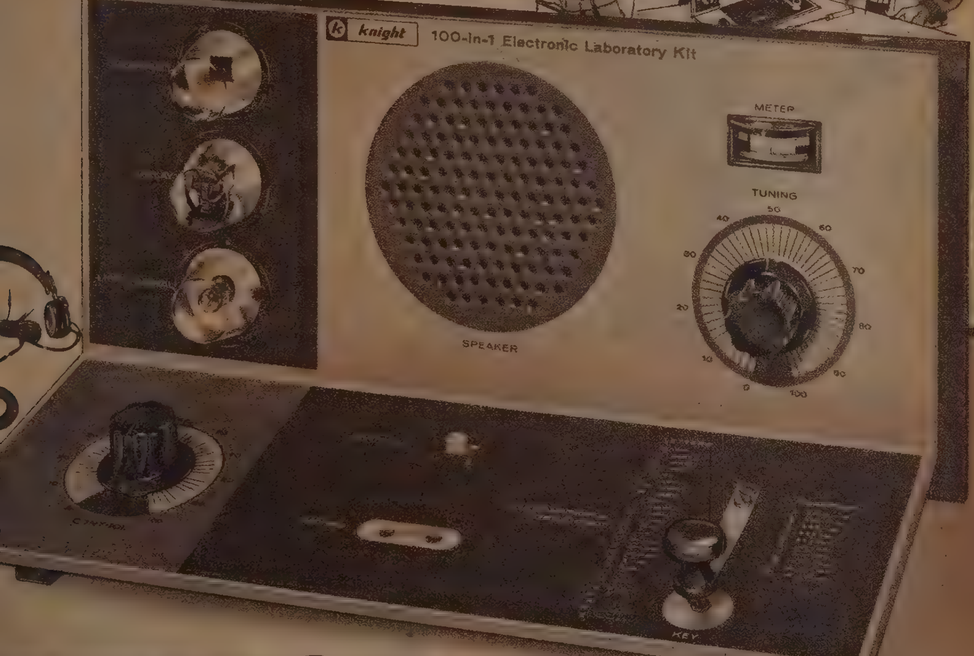
100-in-1

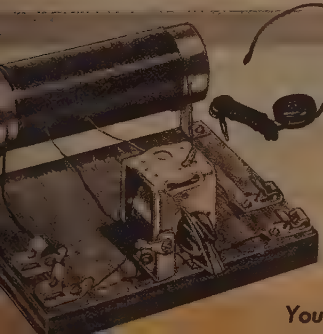
ELECTRONIC LAB KIT

$29.95

$5 monthly

You Perform Over 100 Exciting Transistor and Tube-Type Projects





Classic Crystal-Set Kit Package

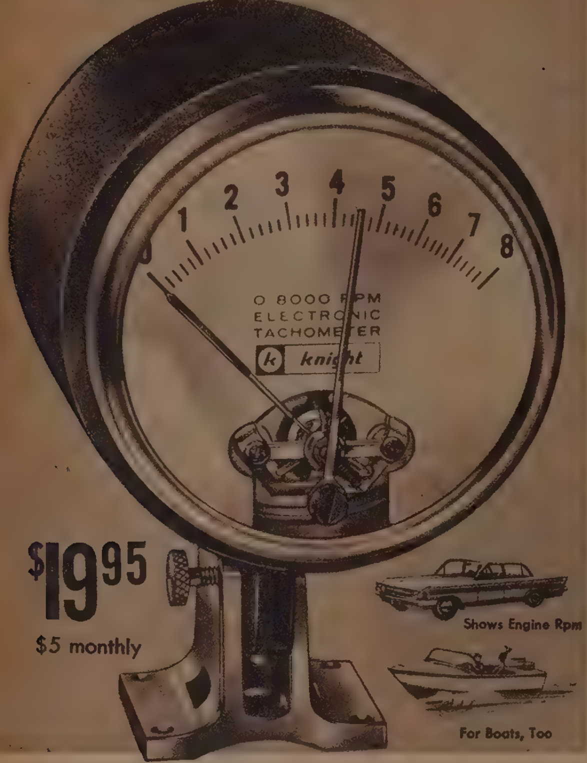
Complete

$4.49

Many thousands of beginners have started in electronics by building this famous kit. Picks up local AM broadcast stations, without batteries or AC power! Germanium crystal requires no adjustment. Clear reception. Smooth ball-bearing tuning capacitor. With antenna kit, single headphone, solder and instructions. Shpg. wt., 3½ lbs.
85 U 024 AMW.............................**4.49**

knight-kit

AUTO AND HOME KITS



$19.95
$5 monthly

Shows Engine Rpm

For Boats, Too

Electronic Tachometer Measures Engine Rpm

DELUXE SOLID-STATE CIRCUIT

- Registers Engine Speed From 0-8000 Rpm
- Reference Pointer Shows You When to S
  Gears, or When Maximum Torque is Reac
- For Cars, Trucks, Boats, All Gas Engines
- Illuminated D'Arsonval Meter Movement
- For Standard and Most Transistor Ignitions
- Exceptional 3% of Full-Scale Accuracy

Illuminated "Tach" accurately registers eng
speed from 0 to 8000 rpm, electronically,
help you get greatest fuel economy and maxim
horsepower or torque. Marvelous accessory
cars and trucks, plus boats with either inbo
or outboard engines. Transistorized switch
and zener diode regulation provide 3% of
scale accuracy under all conditions.

Operates with 1-8 cylinder, 2-cycle, or 1
cylinder, 4-cycle engines using standard ignit
coil and distributor from 9 to 32 volts DC; p
most transistorized negative-ground ignit
systems. Also operates with magneto and 6
DC systems when used with Adapter Kit, bel

"Red-Line" reference pointer may be preset
any rpm—shows when to shift gears, or wh
maximum torque or maximum safe engine spe
is developed. Calibrates from 60-cycle house c
rent. Size, 4⅞x3¼x3⅞". Choice of negative
positive ground model. (All late model U
cars are negative ground.) With universal mou
ing bracket, strap, instructions. 3 lbs.

83 U 944 MW. Negative Ground. *$5 Mo*... **19.**
83 U 980 MW. Positive Ground. *$5 Mo*...... **19.**
83 U 909 MW. Adapter Kit for 6-Volt and Magn
Systems. Shpg. wt., 4 oz..............

A Photoelectronic Relay Kit

- Includes Highly Sensitive Cadmium-Selenide Photocell
- Excellent for Burglar Alarm and Light Control Use
- Easily Set for Trip or Automatic Operation
- Provides As Many As 600 Counts Per Minute

You'll find all kinds of uses for this dependable, light-controlled switching device. Turns lights on and off, opens doors, counts, acts as a burglar alarm, even "announces" customers. Practically any light source activates it—auto headlights, flashlight, daylight, or optional Light Source Kit, below. Offers selectable operation: "Trip" for burglar alarm provides continuous ringing of alarm once light beam is broken; "Auto" if relay is to be operated each time beam is broken, as in counting and announcing applications. Up to 600 counts per minute. Supplies 6.3 volts AC at 0.6 amps for counter or chime. Features a sensitive cadmium-selenide photocell and thyratron circuitry. Size, 4x3x5". With wire, solder and easy instructions. For 110-130 volts, 60 cycle AC. 3 lbs.

83 U 702 MW.................................... **12.95**

B **LIGHT SOURCE KIT.** Consists of transformer-operated sealed-beam bulb that will actuate relay from up to 250 feet or more. Deep-red plastic filter. Steel case, chrome trim. 6x6x¼"4For101-130 v., 60 cycle AC. 5 lbs.

83 U 703 MW.................................... **7.95**
83 U 007 MW. Chime. For announcing, etc. Wt., 2 lbs... **4.80**
83 U 025 MW. Counter. 5-digit, non-resetting. 6 oz...... **3.20**

A
Relay Kit
$12.95

B
Light Source Kit **$7.95**

ave on Knight-Kit Auto Accessory Combinations!

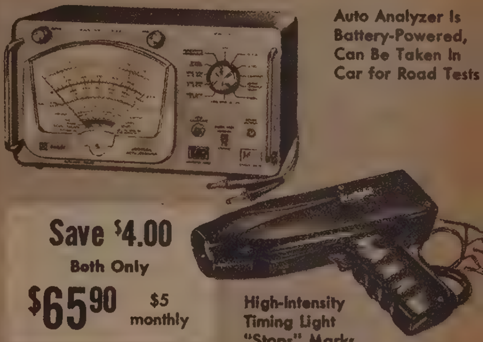
MPARABLE TO MUCH HIGHER PRICED FACTORY ASSEMBLED EQUIPMENT

to Analyzer and DC-Power Timing Light

Analyzer for Trouble-Shooting, Tune-Ups, Road Tests
Checks Generator, Distributor, Regulator, Wiring
Professional DC-Power Timing Light Checks Timing,
Automatic Spark Advance, Distributor Cam Wear

e $4.00 on this combination of all-in-one auto yzer and timing light. Includes: KG-375 Solid-State Analyzer Kit and KG-371 Solid-State DC-Power Tim-Light Kit. Auto Analyzer makes dozens of checks, is luable for tune-ups, and can even perform road s. Easy-to-read 7" scales for voltage, amps, resist-e, rpm, dwell angle, spark output and leakage. ing Light checks timing so that you can be sure of ing maximum power and fuel economy. Has built-in l state power supply for extra-bright light. Both are for 6 or 12-volt DC systems. With all parts, test s, instructions, analyzer batteries, troubleshooting tune-up manual. Shpg. wt., 13 lbs.

J 091 AL2MXW. *$5 Monthly*..............**65.90**


Auto Analyzer Is Battery-Powered, Can Be Taken In Car for Road Tests

Save $4.00
Both Only
$65.90 $5 monthly

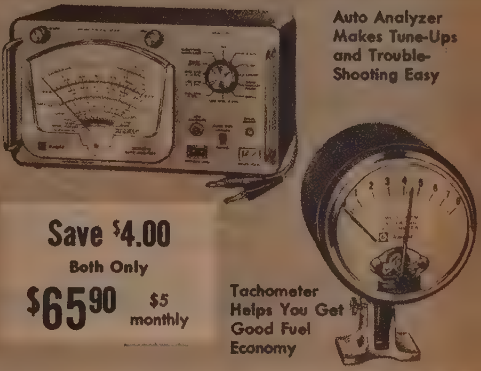
High-Intensity Timing Light "Stops" Marks

Auto Analyzer and Tachometer Outfit

nalyzer Checks Battery, Relays, Spark Plugs, Coil
r 6 and 12-Volt Systems, 4, 6 or 8-Cylinders
chometer Registers Engine Speed From 0-8000 Rpm
elps You Get Top Fuel Economy With Maximum Power

e $4.00 on this auto analyzer and deluxe tachometer it. Includes: KG-375 Solid-State Auto Analyzer Kit Solid-State Tachometer Kit. Tachometer lets you con-ously monitor engine rpms as you drive. Has d-line" reference pointer that you can set to show when to shift gears, or when maximum torque or imum safe engine speed is developed. Maintains accuracy regardless of temperature or voltage nges. With all parts, test leads, Analyzer batteries manual. Tachometer used with 6-volt cars requires pter (opposite page). Shpg. wt., 14 lbs.

J 092 AL2MXW. With Neg. Ground Tach......**65.90**
J 093 AL2MXW. With Pos. Ground Tach........**65.90**


Auto Analyzer Makes Tune-Ups and Trouble-Shooting Easy

Save $4.00
Both Only
$65.90 $5 monthly

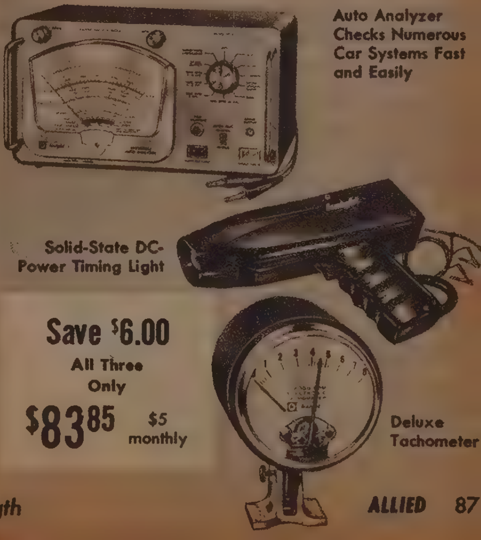
Tachometer Helps You Get Good Fuel Economy

nalyzer, Timing Light and Tachometer

l-In-One Analyzer for Tune-Up and Trouble-Shooting
ofessional Solid-State DC-Power Timing Light
chometer Measures Engine Speed Electronically
Precision Professional Testing Outfit At Low Cost

e $6.00 on this outfit including auto analyzer, timing t and tachometer. You get: KG-375 Solid-State Auto lyzer Kit; KG-371 DC-Power Timing Light Kit; and Solid-e Tachometer Kit. Auto Analyzer has dwell-angle es to check distributor operation and spark ad-ce; locates faulty distributor points; finds poor or n ground circuits; and performs dozens of other s. Has color-coded scales, 1% multiplier resistors, ble all-transistor circuit, roll-bar carrying handles. ing Light shows if plugs are firing at proper intervals ompression cycle. Provides much brighter flash than s operated from ignition coil. Tachometer is a fine essory for cars and trucks, as well as motorcycles boats. Comes with universal bracket and strap for mounting on any vehicle. With all parts, test ls, instructions, Analyzer batteries, troubleshooting tune-up manual Shpg. wt., 16 lbs.

J 094 AL3MXW. With Neg. Ground Tach......**83.85**
J 095 AL3MXW. With Pos. Ground Tach........**83.85**


Auto Analyzer Checks Numerous Car Systems Fast and Easily

Solid-State DC-Power Timing Light

Save $6.00
All Three Only
$83.85 $5 monthly

Deluxe Tachometer

Wires in Knight-Kits Are Precut to Proper Length

KG-375 Deluxe Solid-State Auto Analyzer Kit

TUNE-UP AND TROUBLESHOOT ANY CAR, PERFORM ACTUAL ROAD TESTS

IT'S SEVERAL TESTERS IN ONE . . DO ALL THIS

- Set Engine Idle and Automatic Transmission Shift Points
- Detect Variation in Dwell Angle
- Detect Distributor Wear
- Check Voltage and Current Regulators
- Check Generators for Both Current and Voltage Output
- Locate Open or Shorted Condensers
- Detect Condition of Point Surfaces
- Determine Coil Resistance
- Find Poor or Open Ground Circuits
- Check Alternator Diodes
- Check Headlights, Pilot Lamps, Horns, Starter Relays, Fuses, Accessories
- Check Engine Timing, Power Balance
- Substitute Ignition Capacitor
- Check Battery Charge/Discharge Rate
- Measure Relative Spark Output and Leakage

EASY-TO-READ SCALES FOR ENGINE RPM, DWELL ANGLE, VOLTS, AMPS, OHMS, SPARK OUTPUT AND LEAKAGE

$49.95

$5 monthly

- Checks Distributor, Generator, Regulator, Wiring
- For 6 and 12-V. Systems; 4, 6 and 8-Cylinder Eng
- Extra-Large 7″ Meter • Reliable Transistor Ci
- Comprehensive Tune-Up and Trouble-Shooting Ma

Tune-ups and trouble-shooting are fast and easy with this complet portable, all-in-one auto analyzer. In money-saving Knight-Kit form, simple to assemble and compares to factory-assembled units costing m more. Self-powered, you can take it in the car and perform actual r tests. Engine performance is read from large 7″ panoramic meter. Sca 0-3.2-16 volts, 0-90 amps, 0-1200-6000 rpm, 0-45°-60°-90° dwell an 0-20,000 ohms, Relative Spark Output and Leakage. Has neon spark i cator.

Electronic tachometer scales indicate engine rpm to help you set speed and automatic transmission shift points. Dwell-angle scales ch distributor operation and spark advance. Checks ignition condenser substitution. Other scales measure generator output voltage and curr and operation of voltage regulator. Locates faulty distributor points, plugs, defective spark coils, leaking ignition wiring. Checks charge discharge capacity of batteries. Performs forward and reverse test on al nator diodes. Tests all electrical accessories, helps you check lights, h electric wipers, fuses.

Single function switch. Calibrate and adjust controls. Sensitive d'Arson meter movement, solid-state circuit with 1% multiplier resistors, 5% re tors in pulse counter. Metal cabinet has compartment for test leads. R bar carrying handles. 6½x12½x5½″. For 6 or 12 v. systems, negative positive ground. Comprehensive Manual has complete tune-up and troul shooting directions and wiring instructions. With test leads, 4 "D" b teries and 90-amp shunt. Shpg. wt., 11 lbs.

83 U 308 MXW. *$5 Monthly*..**49.**

83 U 552 MUW. Factory Assembled. *$5 Monthly*........................**69**

KG-371 Deluxe Solid-State DC-Power Timing Light Kit

HAS INTENSE FLASH TO "STOP" TIMING MARKS EVEN IN BRIGHT LIGHT

CORRECT IGNITION TIMING HELPS YOU GET MAXIMUM POWER, TOP FUEL ECONOMY

- Helps Set Ignition Timing
- Checks Synchronization of Double Breaker Arms
- Checks for Sticking Automatic Spark-Advance Mechanism
- Checks Distributor Cam Wear
- Bright 600-Volt Flash Tube
- Reliable Solid-State Circuit
- Built-In DC Power Supply
- Pistol Grip with Trigger Switch
- High-Impact Cycolac Housing
- Up to 1250 Flashes per Minute (2500 rpm with 4-Cycle Engines)
- Simple to Assemble

$19.95

$5 monthly

- For 6 or 12-Volts, Negative or Positive Ground
- Comparable to Much Higher-Priced Timing Lights
- Brighter Flash than Units Operated from Ignition
- With Cables, Insulated Hippo Clips, Spark Plug Adap

High-intensity timing light "stops" timing marks on engine flywheel crankshaft vibration dampener. Lets you accurately check timing by li up with pointer. Helps you get maximum power and fuel economy making sure plugs are firing at proper intervals in compression cy Checks ignition timing, synchronization of double breaker arms, automa spark advance, distributor cam wear. Comparable to assembled tim lights costing much more.

Built-in solid-state power supply and high intensity flash-tube gener brilliant flashes, sharply focused by a light-concentrating lens. Makes possible for you to see timing marks even in brightly lighted areas. Flas are much brighter than those obtained from lights operated directly fr ignition coil. Form fitted pistol grip with trigger switch. Delivers up to 12 flashes per minute (2500 rpm with 4-cycle engine).

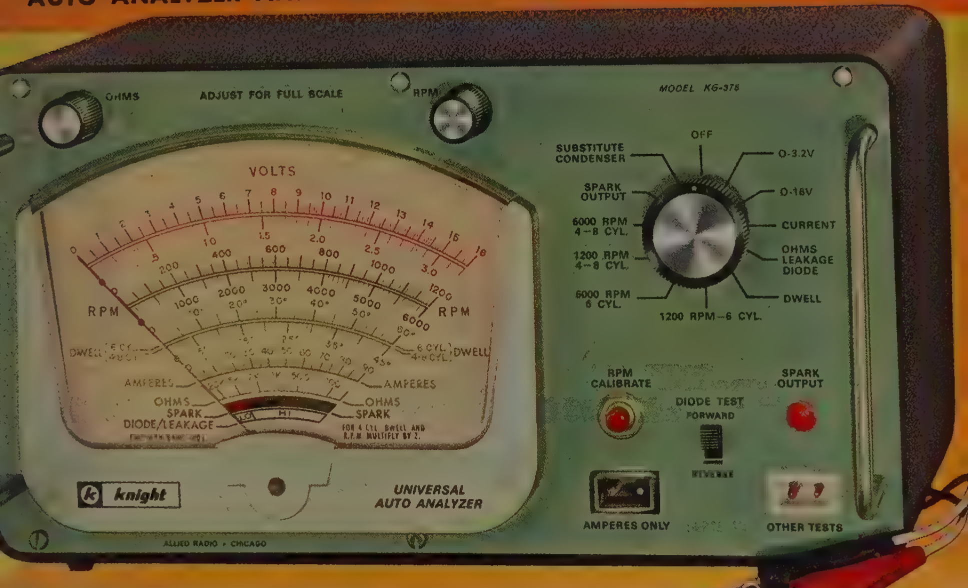
High-voltage cable attaches by insulated adapter clip between spark p and its wire; DC power cables attach directly to car battery. For 6 or volt systems, negative or positive ground. High-impact, cycolac housi All cables are 5½-ft. long for under-hood accessibility. Size, 6⅞x8¾x With all parts, solder, step-by-step assembly instructions and operati directions. Shpg. wt., 2 lbs.

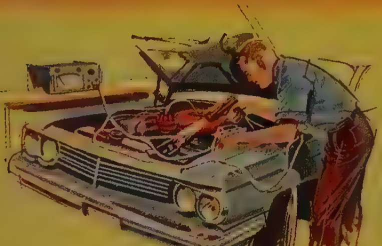
83 U 312 MW. *$5 Monthly*..**19.**

Auto Test Equipment by *knight-kit*

AUTOMOTIVE

AUTO ANALYZER AND TIMING LIGHT KITS


OHMS
ADJUST FOR FULL SCALE
RPM
MODEL KG-375
VOLTS
RPM
DWELL
AMPERES
OHMS
SPARK
DIODE/LEAKAGE
LO
HI
FOR 4 CYL. DWELL AND R.P.M. MULTIPLY BY 2.
knight
UNIVERSAL AUTO ANALYZER
ALLIED RADIO · CHICAGO
OFF
SUBSTITUTE CONDENSER
SPARK OUTPUT
6000 RPM 4-8 CYL.
1200 RPM 4-8 CYL.
6000 RPM 6 CYL.
1200 RPM-6 CYL.
0-3.2V
0-16V
CURRENT
OHMS LEAKAGE DIODE
DWELL
RPM CALIBRATE
DIODE TEST
FORWARD
REVERSE
SPARK OUTPUT
AMPERES ONLY
OTHER TESTS



KG-375 Auto Analyzer Kit

$49⁹⁵ $5 monthly

KG-371 Timing Light Kit

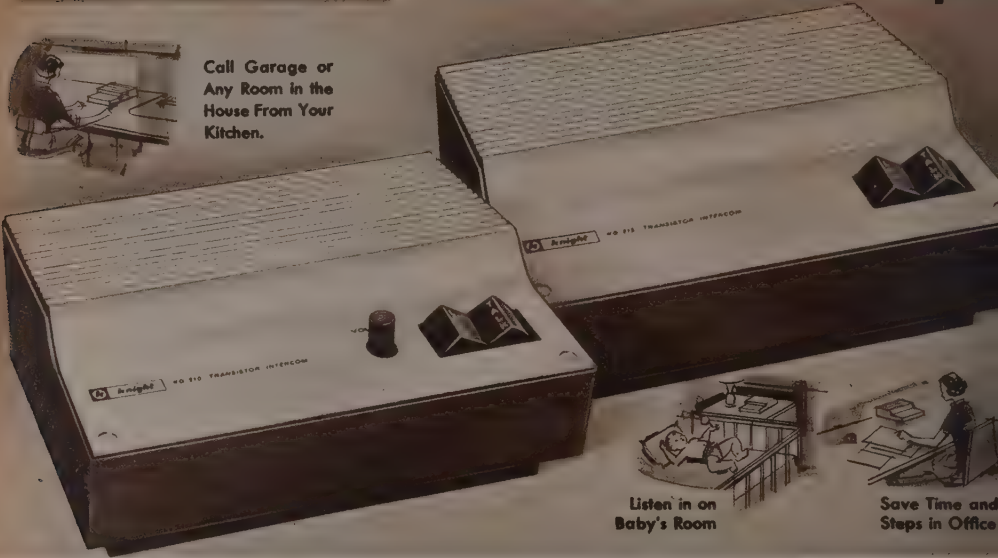
$19.95 $5 monthly

NEW from *knight-kit*

knight-kit

INTERCOM KITS

Low-Cost Intercom Kits to Save You Time and Steps



Call Garage or Any Room in the House From Your Kitchen.

Listen in on Baby's Room

Save Time and Steps in Office

KG-210 Solid-State 2-Station Intercom Kit

Complete 2-Station System

$17.95

$19.95 in 1965 Catalog No. 240

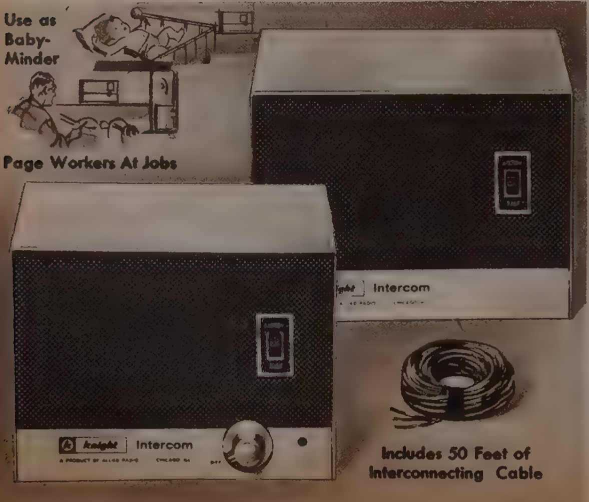
All-transistor intercom system for effortless convenience in home, shop or office. Advanced solid-state circuit (3-transistors and 2 diodes) offers instant, extremely cool operation. Inexpensive to operate, too—uses just about as little electricity as an ordinary household electric clock. Also, lets messages come through clearly, with minimum hum, noise and microphonics. Takes up to two additional Remote stations with no drop-off in efficiency. Modern output circuit design keeps volume at same level after extra Remotes are added. **Output:** 350 mw. **Impedance:** 15 to 45 ohms. Only Master plugs i AC outlet. Transformer-operated. Beige a cream styrene cases; each, $3\frac{1}{4}$x$8\frac{1}{4}$x$5\frac{3}{4}$". W all parts, instructions and 50′ cable. For 110-1 v., 60 cycle AC. 7 lbs.

83 U 306 MW. ....**17.**

83 U 307 MW. Extra Remote Kit. Less cab below. Shpg. wt., 3 lbs.....................**5.**

83 U 103 MW. 50-ft. Spool of Interconnecting Ca Shpg. wt., 1½ lbs.......................**1.**

83 U 104 MW. 100-ft. Spool of Interconnecting Ca Shpg. wt., 3 lbs........................**3.**



Use as Baby-Minder

Page Workers At Jobs

Includes 50 Feet of Interconnecting Cable

Lowest Cost 2-Station Intercom Ki

Complete

$14.95

Amazingly Sensitive—Actually Responds to Even a Whisper. Perfect for Baby's Room.

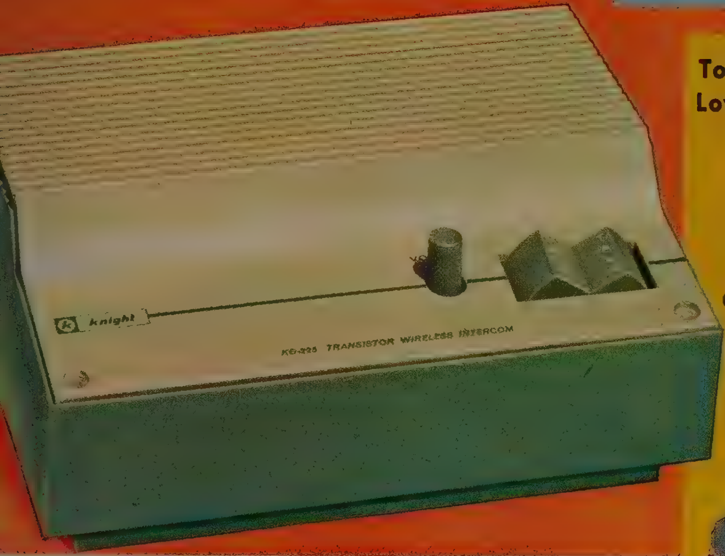
Complete 2-way intercom kit system at an believably low price. Perfect for baby-mind —sensitive enough to pick up even slight whimper. Install Remote in nursery and Mas in kitchen or laundry room for continu listening. In office or shop, permits private non-private conversations. Accepts up to more parallel-wired Remotes. Master pl into AC outlet; has volume control to adj loudness of entire system. When Master is all Remotes can talk to each other. High-g amplifier and 4" speakers. Metal cabinets, iv and brown, 5x$6\frac{5}{8}$x$4\frac{1}{2}$". With all parts, 50" interconnecting cable (extra cable, above), structions. For operation from 110-130 v., 50- cycle AC. Shpg. wt., 7 lbs.

83 U 297 MW. 2-Station System..........**14.**

83 U 298 MW. Extra Remote Kit. Less interc necting cable, above. 3 lbs...................**3.**

lid-State Wireless Intercom

UST PLUG STATIONS INTO ANY AC OUTLET



odel KG-225 Solid-State Wireless Intercom Kit

- lo Wiring Required Between Stations
- ll Stations Can Originate Calls
- Squelch Circuit Eliminates Interference
- Advanced 3-Transistor, 1-Diode Circuit

this advanced intercom kit, you enjoy all the conveniences of wireless opera- Just plug each station of your system into AC wall outlets on the same ric company power-line transformer, then keep contact throughout office, or shop. Communicate between house and garage—even between adjacent s or buildings that are on the same power-line transformer. Move stations place to place, without any rewiring.

ldition, the KG-225 offers you all the advantages of highly developed solid- circuitry. Minimizes hum, noise and microphonics; eliminates ventilation ems; uses no more current than an ordinary electric clock.

stable squelch for quiet, static-free messages. Dual frequency (136 and 215 kc) h lets you operate 2 separate systems (4 or more units) simultaneously, independent of each other. Specially designed volume control prevents missing a call; ys maintains volume at audible level. Locking position on press-to-talk switch ontinuous transmission—ideal for dictation and baby-minding. Sea foam and n case, 3¼x8¼x5¾″. Transformer-operated. With all parts, instructions. 10-130 v., 60 cycle AC. 4 lbs.

309 MW. *$5 Monthly*. . . . . **Each 19.95**

Top Performance at Lowest Possible Cost

Per Unit

$19.95

$5 monthly

Complete Systems

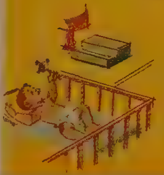
as low as

$37.90

$5 monthly

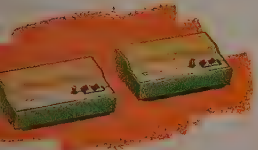
Call Garage, Workshop or Playroom From Your Kitchen

Save Time and Steps In Doing Office Work



Set It Up to Mind the Baby From Any Room in the House

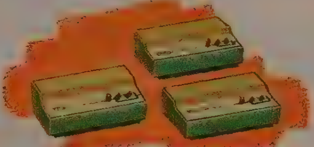
KG-225 Wireless Intercom Kit Outfits



tation Kit Package—Save $2.00

t for saving time and steps nd the house. Use it for baby- ling, house-to-garage, basement- ostairs calls. Plug into any AC t. Instructions. 8 lbs.

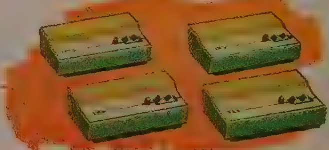
015AL2MW. *$5 Monthly*. **37.90**



3-Station Kit Package—Save $3.00

Ideal for larger homes, offices and shops. All stations are Masters—all can originate calls. No wiring necessary. Plug into AC outlets. With instructions. 12 lbs.

85 U 016AL3MXW. *$5 Monthly*. **56.85**



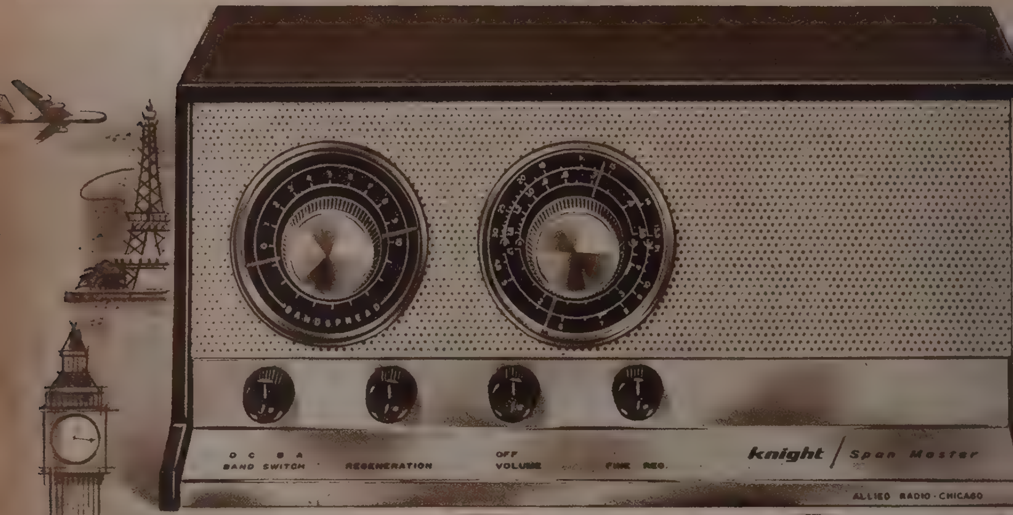
4-Station Kit Package—Save $4.00

For complete coverage in homes, business offices, shops and plants. Dual frequency for simultaneous but independent operation of two 2-station systems. 16 lbs.

85 U 017AL4MXW. *$5 Monthly*. **75.80**

You Listen In on the World!

BE A SHORTWAVE "ARMCHAIR ADVENTURER



$24.95
$5 monthly

Bandspread Tuning

Regeneration Control

Built-In 4″ Loudspeaker

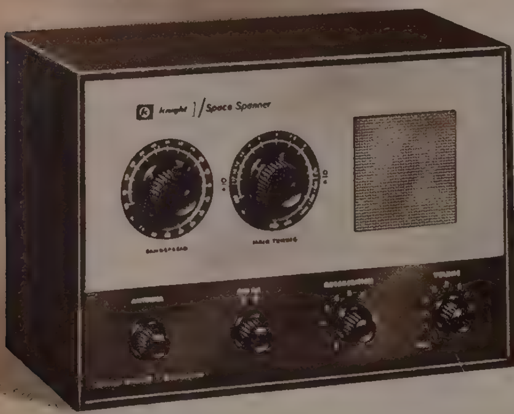
Transformer Powered

Popular Shortwave Listening Brings Hours and Hours of Pleasure to Every Age

Span Master® 4-Band Shortwave Receiv Kit for 'Round-the-World Reception

Sensitive Span Master lets you tune headlines fro world capitals; hear messages from ships and aircra communications on the Citizens and Amateur Ban plus AM programs on the standard broadcast ban Covers 540 kc to 30 mc in 4 bandswitched ranges. Co for each tuning range have their own antenna windin for maximum sensitivity. Built-in 4″ speaker giv plenty of volume—speaker cutout switch for hea phones. Bandspread tuning and fine regeneration se arate crowded stations and simplify tuning. 6¼x1 6¾″. Gray-blue wood cabinet, white grille and anodiz aluminum panel. With list of foreign stations and Mo Code. Instructions. Less antenna, headphones, faci page. For 110-130 v., 60 cycle AC. 9 lbs.

83 U 258 MW. *$5 Monthly*......................**24.9**



- Covers 540-1700 kc and 6.5 to 17 mc
- Front-Panel Bandswitch Control
- Beam-Power Amplifier; Built-In Speaker
- Bandspread Control Simplifies Tuning

$18.95

Space Spanner® 2-Band Shortwave Receiv Kit for Exciting Overseas Adventures

Fun for everyone! Hear music, news and drama fro world culture centers; ships; planes; Hams talking a sending code on the 40 and 20-meter bands—mu more. Switch selects 6.5-17 mc shortwave and 540-17 kc standard AM broadcast bands. Sensitive regene tive circuit. Has bandspread tuning; beam-power amp fier; built-in speaker; headphone terminals. 7⅞x1 5⅝″. With cabinet, instructions. Less antenna, hea phones, facing page. For 110-130 v., 50-60 cycle A or DC. Shpg. wt., 6 lbs.

83 U 309 MW.......................**18.9**

un-Filled Hobby Kits for Year 'Round Enjoyment

Popular "Ocean Hopper" 6-Band Shortwave Receiver Kit

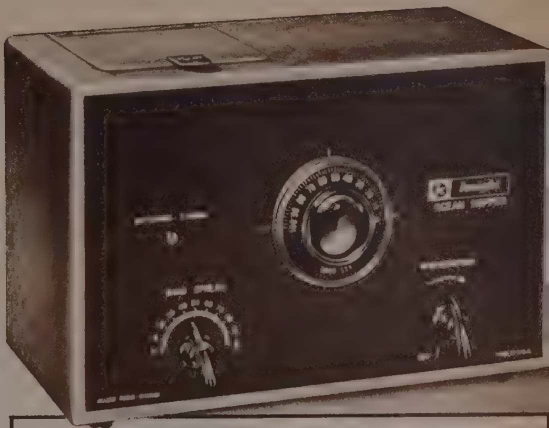
- 65 kc to 35 mc in 6 Bands
- g-In Coils for Each Band
- tenna Trimmer, Bandspread d Regeneration Controls
- ndsome Wood Cabinet

$15^95

-cost favorite literally "hops the oceans" to bring all the thrills and excitement that world-wide twave listening offers! Hear marine, navigation, ress, aeronautical, international, Ham, Citizens d, other communications services, plus popular programs, too. Efficient regenerative circuit. strong local stations, can operate 3-4 ohm ker (not supplied). Size, 6¾x10½x5½". With dcast band coil, instructions. Less extra coils, enna and headphones, below. For 110-130 v., 50-ycle AC-DC. Wt., 6 lbs.

J 749 MW. **15.95**

J 748 MW. Set of 5 Plug-In Coils. 165 kc to 35 mc erage with broadcast coil above. 1 lb. **3.49**



"Ocean Hopper" Shortwave Package

get: Knight-Kit "Ocean Hopper" 6-Band Shortwave eiver Kit; Set of 5 Plug-In Shortwave and Longwave s; Single Headphone; Outdoor/Indoor Antenna Kit. nplete coverage of 165 kc through 35 mc. You longwave, standard broadcast and 4 shortwave ds. Detailed instructions. Wt., 8½ lbs.

J 008 AL2MW. *$5 Monthly* **20.95**

Shortwave Listening Accessories

J 099 MW. Outdoor/Indoor Antenna Kit. With e, lead-in and insulators. Wt., 1 lb. .... **98¢**

J 027 MW. Dual Headphones. Tip pins. 12 oz. **2.08**

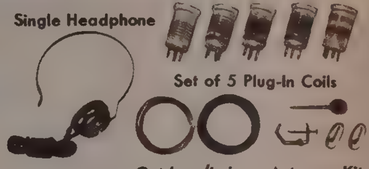
J 028 MW. Single Headphone. Tip pins. 8 oz. **1.08**

"Ocean Hopper" Shortwave Package Includes All Operating Accessories You Need!

Complete Package

$20^95

$5 monthly



Now . . . Build and Enjoy Your Own AM Table Radio.

- Sensitive Superhet Circuit for Best Reception
- Attractive, Acoustically Designed Cabinet
- Built-In Alnico V Permanent Magnet Speaker
- Built-In Hi-Q Loop Antenna; Has AVC Circuit
- Finest Quality Parts—Proven, Expert Design
- Fully Illustrated Instruction Manual

Tunes Entire Broadcast Band— 540 to 1640 kc

$15^95

"Ranger III" AM Superheterodyne Table Radio Kit—Priced to Fit Your Budget

agine enjoying the latest news, thrilling sports events, sic, and a variety of interesting shows on a dependable, artly styled radio you've built yourself! It's really easy, so much fun. Long a favorite of student and hobbyist e, the "Ranger III" uses a ball-bearing tuning capaci- for effortless station selection. The attractive cabinet coustically designed to produce full, rich tone from the ge, Alnico V speaker. Uses 5 popular miniature tubes, 3A6, 12BE6, 12AV6, 50C5, and 35W4 rectifier. Highly efficient loop antenna is used in superhet circuitry for excellent sensitivity. Powerful 50C5 output stage develops up to 1 watt of audio for plenty of room-filling sound. Automatic Volume Control (AVC) minimizes annoying fading and blasting. 5⅜x8⅝x4⅝". Black cabinet, white trim. With all parts, tubes, wire, solder, and detailed, step-by-step instructions. For operation from 110-130 v., 50-60 cycle AC-DC. Shpg. wt., 5 lbs.

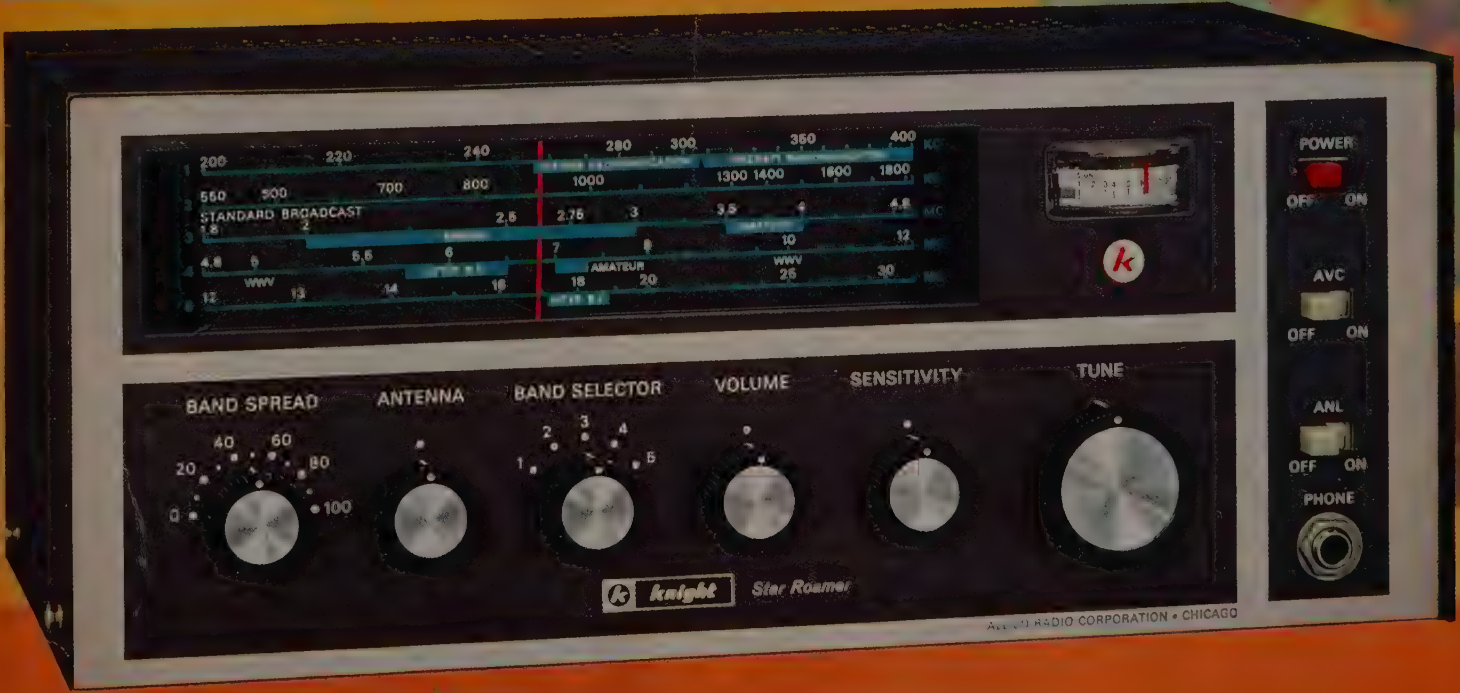
83 U 736 MW. **15.95**

knight-kit

SHORTWAVE KITS

The Star Roamer® Puts the World at Your Fingertips

BUILD IT . . . AND HEAR ADVENTURE AS IT TRAVELS THE AIRWAVES


POWER
OFF ON
AVC
OFF ON
ANL
OFF ON
PHONE
STANDARD BROADCAST
AMATEUR
WWV
BAND SPREAD
ANTENNA
BAND SELECTOR
VOLUME
SENSITIVITY
TUNE
knight
Star Roamer
ALLIED RADIO CORPORATION • CHICAGO

5 Bandswitched Tuning Ranges

Longwave Band	200 to 400 kc
Standard Broadcast Band	550 to 1800 kc
1st Shortwave Band	1.8 to 4.8 mc
2nd Shortwave Band	4.8 to 12 mc
3rd Shortwave Band	12 to 30 mc

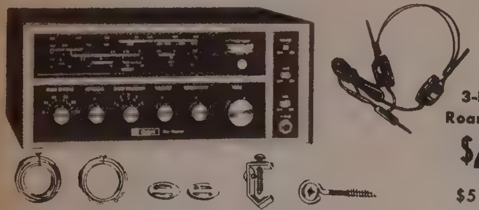
$39⁹⁵

$5 monthly

6-Pc. Star Roamer Outfit
$49⁹⁵
$5 monthly

Deluxe 6-Pc. Star Roamer Shortwave Kit Outfit

Everything you need to get the most out of fun-packed, highly educational shortwave listening! In addition, you get a big $6.43 savings off the cost of individual units bought separately. Outfit includes: **Knight-Kit Star Roamer 5-Band Shortwave Receiver Kit; 12″ Replogle 10-Color World Globe in Stereo Relief with 32-Page Booklet, "The Story of the Globe"; Two 7″ (33⅓ rpm) Records, "The Story of Mr. World," Narrated by Lowell Thomas, Jr., Plus 24-Page Illustrated Brochure; Antenna Kit for Outdoor or Attic Mtg. with 50 Feet of Wire, 25-Ft. Lead-In, Insulators; and Dual Headset with Cord, Plug.** 20 lbs.
85 U 012 AL2MXW. *$5 Monthly*........................**49.95**



3-Pc. Star Roamer Outfit
$41⁹⁵
$5 monthly

Budget-Priced Star Roamer Shortwave Kit Outfit

Star Roamer with valuable accessories for pulling in broadcast signals from all over the world. Assures finest reception of longwave and shortwave as well as your favorite AM programs. Outfit Includes: **Knight-Kit Star Roamer 5-Band Shortwave Receiver Kit; Antenna Kit for Outdoor or Attic Mounting with 50-Ft. of Wire, 25-Ft. Lead-In and Insulators; Comfortable Dual Headset with Cord and Phone Plug for Private Listening.** Shpg. wt., 14 lbs.
85 U 011 AL2MXW. *$5 Monthly*........................**41.95**

Star Roamer Deluxe 5-Band Shortwave Receiver Kit

SUPERHET CIRCUIT FOR DELUXE PERFORMANCE

$39⁹⁵
$5 monthly

- Covers 200 to 400 kc and 550 kc to 30 mc in 5 Bandswitched Ranges
- Superheterodyne Circuit Includes Controlled Regenerative IF Stage
- Electrical Bandspread Control Provides Razor-Sharp Station Tuning
- AVC Reduces Fading and Blasting; ANL Cuts Noise to a Minimum
- Antenna Trimmer Effectively Peaks Incoming Signals for Best Reception
- Illuminated "S" Meter; Large, Easy-to-Read 7½″ Slide Rule Dial

Your window on the world! Through it, you visit the famous cities of Europe, Asia, Africa, North and South America . . . you go aloft with the crews of military and commercial aircraft . . . you ply the seven seas with navy and merchant marine . . . you race down city streets with local police, fire and emergency services . . . you listen in on the interesting conversations of Hams, Citizens Banders and Radio Telephoners. All this plus your favorite programs on the standard AM band.

Features wide coverage of 200 to 400 kc and 550 kc to 30 mc inclusive in 5 bandswitched ranges. Illuminated "S" meter shows signal strength and correct tuning to assure best possible reception. Electrical bandspread control separates crowded stations, lets you pinpoint the exact station you desire. IF sensitivity control improves selectivity, and develops beat note for reception of code. Automatic Volume Control reduces fading and blasting. Automatic Noise Limiter cuts noise to a minimum, assuring cleaner, clearer, broadcast reception. Built-in 4″ speaker gives plenty of volume. Front-panel headphone jack makes private listening convenient. Antenna trimmer effectively peaks incoming signals. Illuminated 7½″ slide rule dial is easily read, day or night.

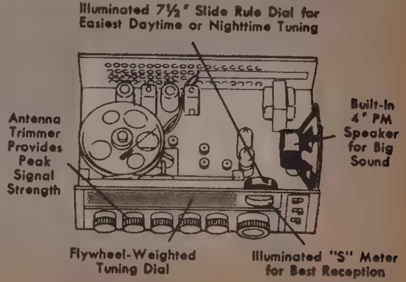
Easy-to-assemble Star Roamer builds in a jiffy—thanks to crystal-clear, non-technical instructions and extra-large illustrations. Size, 5½x12¼x8″. Tastefully styled charcoal gray and aluminum front panel. Supplied complete with charcoal gray metal cabinet, instructions, wire and solder. For 110-130 volts, 60 cycle AC. Shpg. wt., 12 lbs.
83 U 102 MXW. *$5 Monthly*................**39.95**

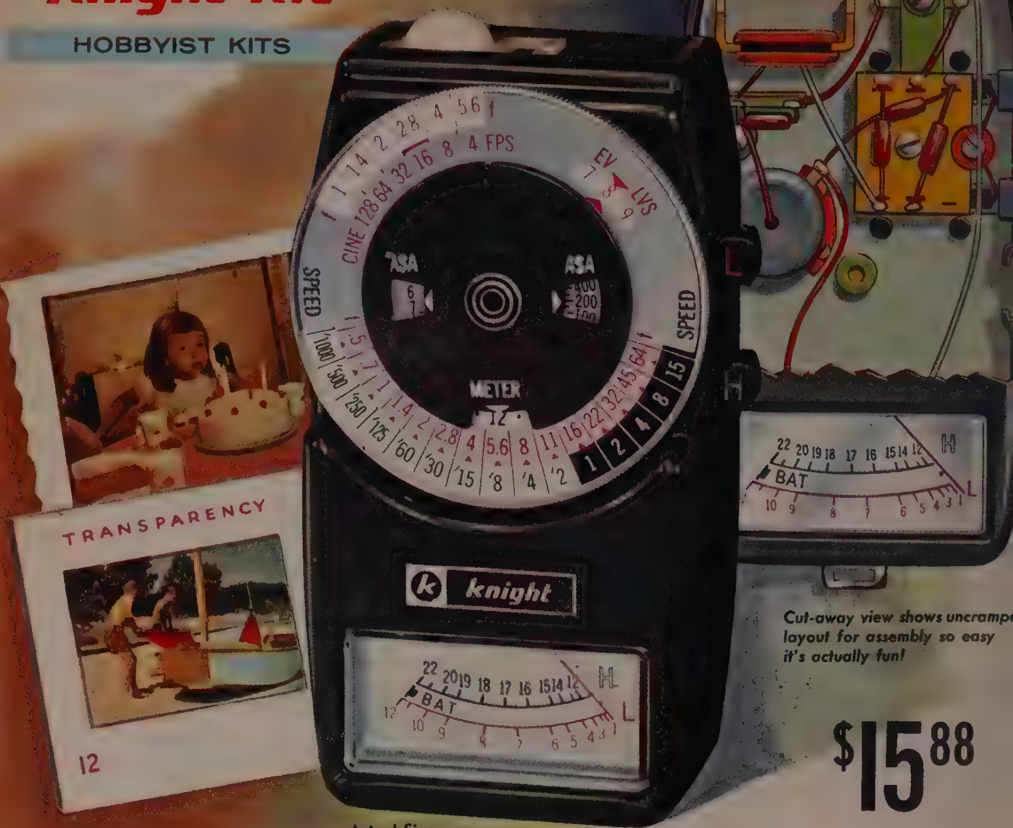
83 U 099 MW. Antenna Kit. For outdoors or attic. With lead-in, insulators. 1 lb..................98¢

83 U 257 MW. Dual Headset with Cord and Phone Plug. Shpg. wt., 1 lb............................**2.50**

SPECIFICATIONS

Bandspread: Electrical, calibrated 0-100.
Sensitivity: 10 microvolts for 10 db signal-to-noise ratio.
IF Frequency: 455 kc.
IF Bandwidth: 8 kc at 6 db down.
Beat Frequency: Variable, 0-5 kc.
Antenna Input: Unbalanced, 300-ohm nominal.
ANL: Switchable series diode.
Speaker: 4″ permanent-magnet type.
Power Supply: Fused, transformer operated.
Headphone Output: Low impedance.
Tube Complement: 1—6BE6, 1—6HR6, 1—12AX7, 1—6AK6 or 6AR5.
Power Requirements: 110-130 volts, 60 cycle AC; 15 watts.


Illuminated 7½″ Slide Rule Dial for Easiest Daytime or Nighttime Tuning
Antenna Trimmer Provides Peak Signal Strength
Built-In 4″ PM Speaker for Big Sound
Flywheel-Weighted Tuning Dial
Illuminated "S" Meter for Best Reception



Cut-away view shows uncramp layout for assembly so easy it's actually fun!

$15.88

Actual Size

KG-275 Super-Sensitive Exposure Meter Kit

SPECIFICATIONS

Sensitivity: Low Range, 0.014 to 28 footcandles; High Range, 28 to 28,000 footcandles
ASA Film Speed Settings: 6 to 12,000 (1° to 12°)
f/Stop Settings: 0.5 to 64
Shutter Settings: 1/4000 second to 30 minutes
Cine Settings: 4 to 128 frames per second
EV Settings: −12 to +22
Optical Acceptance Angle: 30°
Color Response: Peaked at 5600 Angstroms
Photocell Type: Cadmium Sulphide

Gift Boxed

Factory Assembled KG-275 Outfit

Ready-to-Operate KG-275 Exposure Meter With Deluxe Leather Case

Factory assembled KG-275 *plus* a deluxe leather carry case. Gift boxed. 1½ lbs.
83 U 549 MW. *$5 Monthly*.............27.95

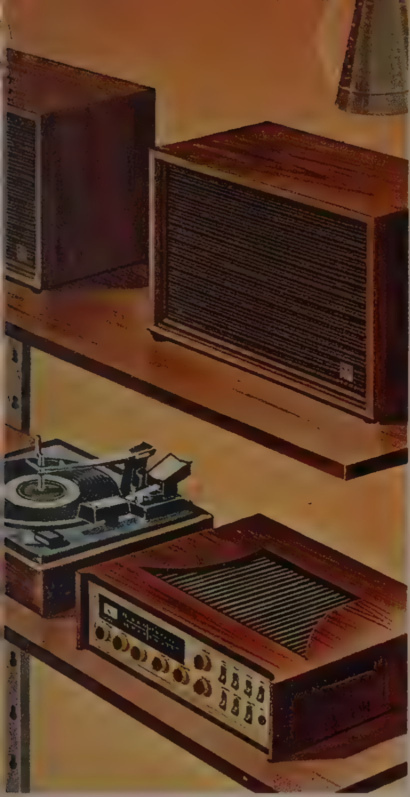
So Sensitive It Responds to Moonlight

- Comparable to Expensive Professional Exposure Meters
- Accurately Measures Both Reflected and Incident Light Levels
- Two-Range Meter Equipped with Handy Pushbutton Selectors

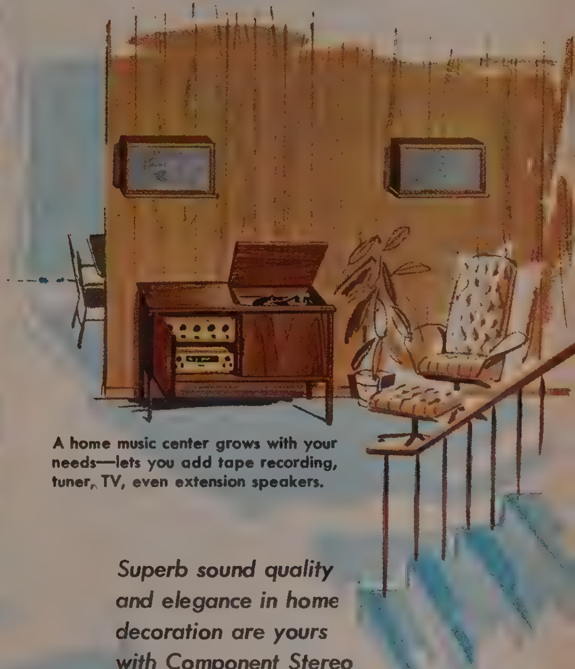
Introduced just last year, and already acclaimed by thousands f its deluxe features, accuracy and amazing low price. It takes th guesswork out of picture-taking. Battery-powered *cadmium-sulphi* (CdS) photocell gives you the exact setting for perfectly expose pictures each time. So sensitive you can actually take accurate rea ings from moonlight. Camera fans really appreciate its one-han operation and professional appearance. Use it for color or black-an white, stills and movies. Reads reflected light from subject. also i cludes diffuser for incident light readings. Easy-to-read color-code scales. Two pushbuttons select low or high range. Built-in batter tester. High-impact cycolac case, 4½x2½x1⅜". With mercury ba teries (uses 2), neck cord, easy assembly and operating instruction Shpg. wt., 14 oz.
83 U 300 MW........................................15.8
83 U 186 MW. Deluxe Hard Leather Carrying Case. Wt., 6 oz......4.9
83 U 069 MW. Soft Leather Carrying Case. Wt., 4 oz............2.9

ALLIED

brings the wonderful world of STEREO HI-FI into your home

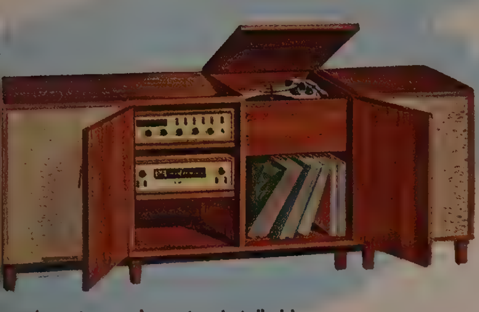


rate your home with music. Enjoy
ited flexibility of installation . .
components fit-in anywhere.

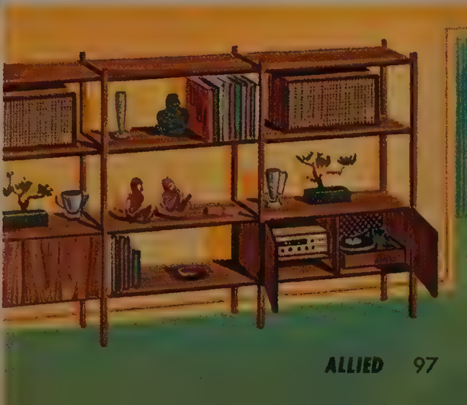


A home music center grows with your needs—lets you add tape recording, tuner, TV, even extension speakers.

Superb sound quality and elegance in home decoration are yours with Component Stereo Hi-Fi Music Centers. Today's components blend tastefully with your decorating scheme and they give you the greatest satisfaction and pride of ownership.



music center can be custom installed in
e furniture ensemble. Allied offers a wide
ction of custom-crafted component cabinets,
isitely styled to meet your taste and decor.



Components compliment your flair for style . . arrange them on shelves, table-top, or in custom cabinetry.

ALLIED . . presents component stereo hi-f
for true-fidelity music center systems

What is a Component System?

A versatile music system made-up of *separate* hi-fi units, each of which you choose to meet *your* particular preference in performance, features, looks and price. You can own a stereo phono system that consists of amplifier, record player with cartridge, and two speakers in enclosures. Or if you prefer radio facilities, add a tuner or select a receiver in place of amplifier and tuner. Other units can be added later for a complete music center: tape recorder, extension speakers, and even specially designed furniture cabinets.

Why do Components Provide the Best Stereo Hi-Fi?

There are no weak links in component hi-fi. Each part of the system is designed and built by specialists, dedicated to manufacture fine instruments for superior audio reproduction. There's no guessing at what you're buying—the component manufacturer holds nothing back. You are told exactly what each unit will do. Each part of the system is designed for maximum performance to provide the *best sound for the least amount of money!*

How Much Room do I Need for a Music System?

There's always room for your stereo hi-fi system. You choose components to fit *your* home and decorating scheme. They can be selected for compact apartments, spacious homes, big or small rooms. Place them on shelves, table-tops, bookcases, or in cabinets. *You enjoy maximum flexibility with components that match and complement any decor.*

Can Anyone "Connect Up" a System?

Yes, there's nothing to it! It's as easy as plugging in a lamp. Components have plug-in and screw connectors—install entire system in minutes.

Advantages in Buying Your Stereo Hi-Fi from Alli

You're Dollars Ahead . . Allied offers lowest prices all hi-fi components, special savings on our matche music-center systems, and on top-value Knight a Knight-Kit products.

Rigid Quality Control Inspections . . All brands we se are checked by our own experts to assure you maximum performance and quality.

Complete Warranties . . All hi-fi components sold Allied are covered by standard manufacture warranties that we uphold in every respect. Alli also extends a full one-year guarantee on all par used in any Knight and Knight-Kit product.

You Must Be Satisfied . . Allied guarantees your con plete satisfaction or your money back. We furth pledge to save you time and money, to ship speedi and safely from the world's largest stocks.

Knight and Knight-Kit Components, Your Best Buys

Allied's own Knight components are honored as t finest hi-fi values anywhere! Created by Allied's ow audio experts these splendid components offer yo the best in musical reproduction at prices well belo other manufacturers' comparable units.

Make it a point to check the Knight hi-fi page Complete Music Center Systems on pages 99 throug 103; Amplifiers—110, 111, 114, 115; Tuners—11 113; Receivers—116-119; Record Changer—11 Speakers and Speaker Systems—121-133; Stere Headphones—134; Distinctive Hi-Fi Furniture 135-137; and a special Stereo Component Conso on 162. For superior hi-fi components in build-you own form, Allied brings you a large choice of famou Knight-Kits, described on pages 8 through 35.

Choose from the World's Biggest Selection of Top Name-Brand Components

	PAGE		PAGE		
Acoustech	160	Garrard	Cov. 3, 164, 165	Scott	104, 105, 107, 109, 14
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ALLIED Makes it Easy for You to Select a ereo Music Center System at Greatest Savings

y Superior Sound Because of Superior Components

Best Selection—Best Quality . . You're sure of getting exactly what you need from Allied. Our world's largest stocks of hi-fi components contain the most current models and best values available in standard brands and Allied's own Knight components. You get guaranteed best performance too—every item we sell must pass rigid tests made in our own quality control laboratories.

Component Page Guide . . Record Playing Equipment is listed on pages 120 and 164-171. Speakers and Speaker Systems are on pages 121-133 and 174-188. Amplifiers on pages 110, 111, 114, 115, 141-143, 145, 147-152, 154-156, 158-161. Tuners are on 112, 113, 140, 141, 143, 144, 147-152, 154-160. Stereo Receivers on pages 116-119, 138, 139, 144, 146, 147, 152, 153, 157, 161. Hi-fi cabinetry on 135-137, 177, 190-193. Custom installation accessories and hi-fi stereo headphones are listed on pages 134, 163, 172, 189. *Everything in hi-fi* is available from one convenient source—Allied is headquarters for hi-fi.

Allied-Recommended Music Centers are Your Best Buy

You'll find many excellent matched systems chosen by our audio experts to meet any price range and requirement. These music centers have been carefully selected to assure you of receiving the best performance for your hi-fi dollar.

You Always Get More with an Allied-Recommended Music Center . . Perfectly matched components . . You save more money . . "Plug-in" convenience . . Plus "System Extras"—all connecting cables and Allied's System Booklet with installation hints.

There's an Allied-Recommended Music Center to Fit Your Budget . . Top-economy Record-Playing Music Centers are described on pages 99-101 and 104, 105, 108 and 109—prices range from as little as $124.50 to a deluxe system for $519.95. Complete FM, FM-AM Receiver with Phono Systems are available as described on pages 99, 102, 103, 106 and 107—prices range from $198.00 to $629.50. Or, get a do-it-yourself Knight-Kit System—pages 16-29, 32.

YOU MAY SELECT YOUR OWN COMPONENTS FOR A STEREO CENTER

ou prefer a system of your own choice, use the handy between pages 104 and 105. Write for a price quoon—see how much you save! Our audio consultants review your selected system for proper matching of components, and will answer any questions you may have. Whatever your needs, Allied will help tailor your hi-fi component system to your exact taste and budget. *Allied—World's Best Selection, the Best Service*

KNIGHT
Save $39.01
$124.50 less case
$6 monthly

FISHER
Save $30.06
$299.95 less case
$15 monthly

ur Very Best Values in Allied-Recommended Music Centers

-Watt Stereo Phono Music Center System

f that you can enjoy all the benefits of component o performance plus extraordinary Knight economy. 28 **Stereo Amplifier** provides 56 watts of peak stereo r and a complete array of controls (see page 110). ly praised **KN-990A 4-Speed Changer** (page 120) has e-action pickup arm and **Shure M3D Stereo Cartridge** diamond needle. **Two KN-3002 2-Way Speaker Systems** xpertly finished in oiled walnut veneer and provide a th 50-15,000 cps response (page 127). You also get all s and Allied's System Booklet. With walnut changer ; less amplifier case.

113 DL3MZ. Shpg. wt., 71 lbs. **124.50**
024 MX. Walnut Case for KN-928. 4 lbs. **12.95**
049 MX. Brown Metal Case for KN-928. 4 lbs. **5.95**

65-Watt Stereo FM-Phono Music Center

Outstanding system value is made possible by Allied's special purchase of famous **Fisher 500B Stereo FM Receiver.** You get *complete luxury FM-Phono entertainment* at only $70.00 more than the already low cost of the 500B. Receiver delivers a powerful 65 watts, and has supersensitive FM tuner with latest stereo circuit (see page 144). **Garrard Model 50 Automatic Turntable** (page 165) includes **Shure M3D Cartridge** with diamond stereo needle. **Two Knight KN-3002 Walnut Speaker Systems** (page 127) each contain an 8" woofer for full-bodied bass and 3½" tweeter for clear highs. Plus cables and Booklet. With walnut changer base; less amplifier case.

21 U 449 DL3MZ. Shpg. wt., 91 lbs. **299.95**
72 U 055 MX. Oiled Walnut Case for 500B. 9 lbs. **22.45**

Deluxe Stereo Phono Systen

SYSTEMS FEATURING TUBE-TYPE AMPLIFIER

Knight Stereo Systems Offer You Bigger Value

Compare! Feature for feature, Knight components give you more for your dollar than any others in the same price range.

Knight Stereo Systems Offer You Big Savin

Take advantage of Allied's special Knight system prices
save from the cost of components bought separat

Low-Cost 28-Watt Stereo System

Save $43.63 **$159⁸⁸** $8 monthly

You save $43.63 off total cost of components purchased separately. **KNIGHT KN-928 STEREO AMPLIFIER.** 28-watt output, full control complement, stereo headphone jack. See p. 110. **KNIGHT KN-990A CHANGER.** 4-speed automatic; oversize platter; balanced arm. Oiled walnut base. See p. 120. **SHURE M3D CARTRIDGE.** Magnetic; diamond needle. Mounted. See p. 170. **2—KNIGHT KN-3030K SPEAKER SYSTEM KITS.** Easily assembled. See p. 126. With all connecting cables, instruction booklet. Less amplifier case, below. 89 lbs. Express.

22 U 054 DL4MZ. *$8 Mo.*.... **159.88**

95 U 024 MX. Oiled Walnut Case. For KN-928 amplifier. 4 lbs........ **12.95**

95 U 049 MX. Brown Metal Case. For KN-928 amplifier. 5 lbs......... **5.95**

Low-Cost 44-Watt Stereo System

Save $45.63 **$167⁸⁸** $9 monthly

Big $45.63 savings off total cost of components bought separately. **KNIGHT KN-940A STEREO AMPLIFIER.** More deluxe features than any other amplifier in its class. See p. 111. **KNIGHT KN-990A CHANGER.** 4-speed automatic; oversize platter; balanced arm. Oiled walnut base. See p. 120. **SHURE M3D CARTRIDGE.** Magnetic; diamond needle. Mounted. See p. 170. **2—KNIGHT KN-3005 SPEAKER SYSTEMS.** 3-way 10″ shelf-type. See p. 127. With all connecting cables, instruction booklet. Less amplifier case, below. 92 lbs. Express.

22 U 055 DL4MZ. *$9 Mo.*.... **167.88**

95 U 024 MX. Oiled Walnut Case. For KN-940A amplifier. 4 lbs....... **12.95**

95 U 049 MX. Brown Metal Case. For KN-940A amplifier. 5 lbs........ **5.95**

Deluxe 44-Watt Stereo Syst

Save $59.82 **$219⁸⁸** $11 monthl

Saves you $59.82 off cost of indivi
components bought separately.
KNIGHT KN-940A STEREO AMPL
Tops in its class for audio power
performance features. See p.
KNIGHT KN-990A CHANGER. 4-s
automatic; oversize platter; bala
arm. Oiled walnut base. See p.
PICKERING V-15/AT-2 CARTRI
Magnetic; diamond needle. See p.
2—KNIGHT KN-2260K SPEAKER
TEM KITS. Easily assembled. See p.
With all connecting cables, ins
tion booklet. Less amplifier
below. 119 lbs. Express.

22 U 056 DL4MZ. *$11 Mo.*.... **21**

95 U 024 MX. Oiled Walnut Case.
KN-940A amplifier. 4 lbs......

95 U 049 MX. Brown Metal Case.
KN-940A amplifier. 5 lbs.......

Add the Deluxe KN-245A Stereo FM-AM Tuner to Your Sys

$97⁵⁰ less case

Perfect stereo radio companion for KN-928 or KN-940A am
ers. Adds the exciting entertainment dimension of stereo mult
FM programs, as well as conventional FM and standard
broadcasts, to your stereo phono music system. See page 11
full description of performance features and ordering data.

eaturing Knight Plus-Value System Components

SYSTEMS FEATURING KNIGHT DELUXE SOLID-STATE STEREO AMPLIFIERS

Matching Knight Stereo FM-AM Tuner

ect a stereo FM-AM tuner (optional, see bottom of these ges) to add stereo radio entertainment to your system.

Solid-State Stereo Benefits

Solid-State stereo amplifiers in systems on this page are cooler, more compact; play the instant they're turned on.

6-Watt Solid-State System

ave 49.85 **$219 85** **$11 monthly**

get $49.85 savings off cost of oonents bought separately.
HT KN-966 STEREO AMPLIFIER. Full att output; solid state for pure, ke music. See p. 114.
HT KN-990A CHANGER. 4-speed matic; oversize platter; balanced Oiled walnut base. See p. 120.
ERING V-15/AT-2 CARTRIDGE. netic; diamond needle. See p. 170.
NIGHT KN-3030K SPEAKER SYS- KITS. Easily assembled. See p. 126.
all connecting cables, instruction let. Less amplifier case, below. s. Express.

057 DL4MZ. *$11 Mo.*... **219.85**

023 MX. Oiled Walnut Case. For 966 amplifier. 6 lbs........ **14.95**

038 MX. Cordovan Brown Metal . For KN-966. 4 lbs......... **6.50**

100-Watt Solid-State System

Save $81.70 **$348 00** **$16 monthly**

Offered at $81.70 less than cost of components bought separately.
KNIGHT KN-999A AMPLIFIER. Features contemporary pushbutton control and lighted source windows. See p. 115.
KNIGHT KN-990A CHANGER. 4-speed automatic; oversize platter; balanced arm. Oiled walnut base. See p. 120.
PICKERING V-15/AT-2 CARTRIDGE. Magnetic; diamond needle. See p. 170.
KNIGHT KN-2300A SPEAKER SYSTEMS. 3-way 12″ shelf type. See p. 123.
With all connecting cables, instruction booklet. Less amplifier case, below. 128 lbs. Express.

22 U 058 DL4MZ. *$16 Mo.*.. **348.00**

95 U 023 MX. Oiled Walnut Case. For KN-999A amplifier. 6 lbs...... **14.95**

95 U 038 MX. Cordovan Brown Metal Case. For KN-999A. 4 lbs....... **6.50**

Best 100-Watt Solid-State System

Save $91.70 **$429 50** **$19 monthly**

Yours for $91.70 off total cost of components purchased separately.
KNIGHT KN-999A AMPLIFIER. Power-packed! Best Knight has pushbuttons, lighted source windows. See p. 115.
GARRARD A70 AUTOMATIC TURNTABLE. Deluxe features for top stereo record reproduction. See p. 164.
EMPIRE 888PE CARTRIDGE. Magnetic; elliptical stylus. See p. 170.
KNIGHT KN-2350A SPEAKER SYSTEMS. Knight's finest! See p. 122.
With all connecting cables, instruction booklet. Less amplifier case, below. 143 lbs. Express.

22 U 059 DL4MZ. *$19 Mo.*.. **429.50**

95 U 023 MX. Oiled Walnut Case. For KN-999A amplifier. 6 lbs...... **14.95**

95 U 038 MX. Cordovan Brown Metal Case. For KN-999A. 4 lbs....... **6.50**

d KN-265A Solid-State Stereo FM-AM Tuner to Your System

ching stereo radio companion for KN-966 or KN-999A ampli- featuring highly reliable solid-state circuitry for gem- reception of stereo multiplex FM, conventional FM and Loaded with deluxe performance and convenience features. page 113 for full description and ordering data.

$149 95 less case.

Your Knight Stereo System on Allied's Credit Fund Plan

KNIGHT

STEREO HI-FI SYSTEMS

High-Fidelity Music Systen

TOP VALUE STEREO FM-AM-PHONO SYSTE

Knight systems are your best buys! As little as $198.00 buys you a deluxe AM/stereo FM-phono system. These are the best stereo values anywhere. Components are matched to fit any budget; give hi-fi superior to popular, higher priced consoles.

FM-AM-Phono stereo systems. Hear brilliant stereo from
records; thrill to stereo FM plus conventional FM and A
their best. You're in command of a complete variety of
world's finest classical music, pop music, news, and much m

SYSTEMS FEATURING THE NEW KNIGHT KNI-333 32-WATT STEREO FM-AM RECEIVER

Low-Cost, Ready-to-Play System

Save $55.51 **$198.00** $10 monthly

Delivers amazing performance for the money. Saves you $55.51 off the cost of items bought separately.

KNIGHT KNI-333 RECEIVER. Rich-looking unit combines stereo FM-AM tuner with feature packed stereo amplifier. Full inputs and outputs; full controls. With metal case. See p. 116.

KNIGHT KN-990A CHANGER. Operates either automatically or manually. Features big 11″ turntable. With walnut wood base. See p. 120.

SHURE M3D STEREO CARTRIDGE. Famous for superb performance. Magnetic. Diamond needle. See p. 170.

KNIGHT KN-3002 SPEAKER SYSTEMS. Each has 8″ woofer, 3½″ tweeter. 50-15,000 cps. Walnut. See p. 127.

With instructions, all cables and plugs. Receiver shown in optional walnut wood case. 78 lbs.

22 U 060 DL4MZ. Express...**198.00**

95 U 075 MX. Walnut Wood Receiver Case. 3 sides, ½″ thick. 5 lbs...**14.95**

95 U 469 MX. Dust Cover for Changer. Transparent. Wt., 2 lbs.........**4.75**

Big-Value System—12″ Speakers

Save $70.20 **$229.50** $12 monthly

A fine system offering thrilling stereo realism. Save $70.20 off cost of individual components.

KNIGHT KNI-333 RECEIVER. Full array of controls and inputs. Tape monitor, headphone jack, much more. With metal case. See p. 116.

KNIGHT KN-990A CHANGER. Low-silhouette styling, top performance. With walnut wood base. See p. 120.

SHURE M44C STEREO CARTRIDGE. Full-range response, diamond needle, good separation. See p. 170.

KNIGHT KN-3030K 12″ 3-WAY SPEAKER SYSTEM KITS. Outstanding systems deliver dazzling bass down to 35 cps. You can assemble each one in half an hour. Walnut. See p. 126.

With instructions, all cables and plugs. Receiver shown in optional walnut wood case. 103 lbs.

22 U 061 DL4MZ. Express...**229.50**

95 U 075 MX. Walnut Wood Receiver Case. 3 sides, ½″ thick. 5 lbs...**14.95**

95 U 469 MX. Dust Cover for Changer. Transparent. Wt., 2 lbs.........**4.75**

Our Best 32-Watt Stereo Syst

Save $75.20 **$244.50** $13 monthl

Outperforms stereo consoles cost
twice as much! Save $75.20 off p
of individual components.

KNIGHT KNI-333 RECEIVER. Looks l
sounds like some receivers selling
far more. Loaded with controls t
put you in full command. With m
case. See p. 116.

KNIGHT KN-990A CHANGER. Bo
precision turntable-type arm. W
walnut wood base. See p. 120.

PICKERING V-15/AT-2. Magnetic. D
mond needle. See p. 170.

**KNIGHT KN-2330K 3-WAY 12″ SPE
ER SYSTEM KITS.** So simple to assem
you need only a screwdriver. B
down to 30 cps! Beautiful walnut
ish. See p. 125.

With instructions, all cables and plu
Receiver shown in optional wal
wood case. 109 lbs.

22 U 062 DL4MZ. Express...**244.**

95 U 075 MX. Walnut Wood Recei
Case. 3 sides, ½″ thick. 5 lbs...**14**

95 U 469 MX. Dust Cover for Chang
Transparent. Wt., 2 lbs.........**4.**

Order Your Knight System Today, Use Your Allied Credit Fu

ith Stereo FM-AM Receiver and Stereo Changer

OUR BEST BUYS IN DELUXE STEREO FM-AM-PHONO SYSTEMS

u prefer, you can make your own system selection. Are omponents you want shown in our system listing? If not, our Audio Division for a price quote. You'll get savings arable to those offered on systems listed on these pages.

Anyone can "connect up" a system . . there's nothing to it. It's as easy as plugging in any appliance. Components have simple plug-in and screw-type connectors. You can have your entire music system ready to play in a matter of minutes.

YSTEMS FEATURING THE NEW KNIGHT KN-376 70-WATT STEREO FM-AM RECEIVER

alue-Priced Deluxe System

ave 00.00 **$399.70** **$18 monthly**

eo to thrill even the thoroughly rienced hi-fi fan. Save $100.00 off if purchased separately.

HT KN-376 STEREO RECEIVER. ht's best! All solid state. Many nced features; 70 watts of un- rted power. See p. 118.

HT KN-990A CHANGER. Famous ow rumble and wow, smooth op- on. Walnut wood base. See p. 120.

ERING V-15/AT-2. CARTRIDGE. ating" type. See p. 170.

HT KN-2300A 3-WAY 12" SPEAK- YSTEM. Has 3 superb speakers; stic Suspension woofer, better . Walnut. See p. 123.

instructions, all cables and plugs. eiver shown in optional walnut case. 126 lbs.

063 DL4MZ. Express . . . **399.70**

096 MX. Walnut Receiver Case. les, ½" thick. 5½ lbs. **22.75**

094 MX. Brown Metal Receiver . Wt., 5 lbs. **9.95**

469 MX. Dust Cover for Changer. nsparent. Wt., 2 lbs. **4.75**

Superb Component Stereo System

Save $107.35 **$479.95** **$20 monthly**

For serious listeners. Save $107.35 off cost if purchased separately.

KNIGHT KN-376 STEREO RECEIVER. Hear stereo FM and AM as reproduced through an advanced 70-watt solid-state amplifier. See p. 118.

GARRARD A70 AUTOMATIC TURNTABLE: Precision crafted, brings out best in your records. Manual/automatic. With walnut wood base. See p. 164.

EMPIRE 888PE ELLIPTICAL CARTRIDGE. Empire's finest! Precise tracking, no "bottoming." See p. 170.

KNIGHT KN-2350A 3-WAY 12" SPEAKER SYSTEMS. Superior system features Acoustic-Suspension 12" woofer, great base. Walnut. See p. 122.

Cables, plugs. Receiver shown in optional walnut case. 138 lbs.

22 U 064 DL4MZ. Express . . . **479.95**

95 U 096 MX. Walnut Receiver Case. 4 sides, ½" thick. 5½ lbs. **22.75**

95 U 094 MX. Brown Metal Receiver Case. Wt., 5 lbs. **9.95**

73 U 129 MX. Dust Cover for Changer. Transparent. Wt., 2 lbs. **4.95**

Our Best 70-Watt Stereo System

Save $137.35 **$569.95** **$24 monthly**

Knight's finest system! Gives you astonishing stereo realism, saves you $137.35 off separate prices.

KNIGHT KN-376 STEREO RECEIVER. Transistorized for flawless stereo. Magnificently styled. Handy rocker-type switches. See p. 118.

GARRARD LAB 80 AUTOMATIC TURNTABLE. Garrard's best! Turntable quality. With walnut wood base. See p. 164.

EMPIRE 880PE ELLIPTICAL CARTRIDGE. One of the finest cartridges available. See p. 170.

KNIGHT KN-2380 3-WAY 15" SPEAKER SYSTEMS. Giant 15" woofer for fantastic bass response. With base for floor use. Walnut. See p. 121.

Cables, plugs. Receiver shown in optional walnut case. 137 lbs.

22 U 053 DL4MZ. Express . . . **569.95**

95 U 096 MX. Walnut Receiver Case. 4 sides, ½" thick. 5½ lbs. **22.75**

95 U 094 MX. Brown Metal Receiver Case. Wt., 5 lbs. **9.95**

73 U 129 MX. Dust Cover for Changer. Transparent. Wt., 2 lbs. **4.95**

Complete Plug-In-And-Play Stereo Phono Syste

SELECTED BY ALLIED'S AUDIO EXPERTS FOR PERFORMANCE AND VALU

FISHER
SYSTEM 1

Save $20.06

$\$189^{50}$

$10 monthly

FISHER
SYSTEM 2

Save $26.30

$\$244^{95}$

$13 monthly

SYSTEM 3

Save $73.25

$\$299^{95}$

$15 monthly

SYSTEM 4

Save $86.25

$\$409^{95}$

$19 monthly

Buy Your Complete Stereo System on Allied's Credit Fund

eaturing Fisher and Scott Stereo Amplifiers

CHOOSE FROM NEW SOLID-STATE AND QUALITY TUBE-TYPE AMPLIFIERS

System 1—40-Watt Stereo Phono System

cially selected to offer you top stereo hi-fi value at a
budget price. Saves you $20.06 off cost of individual
ponents bought separately

ER X-100 STEREO AMPLIFIER. Delivers 20 watts per chan-
of flawless stereo music. See p. 145.

RARD 50 AUTOMATIC TURNTABLE. Features oversize
tter, balanced arm. With walnut base. See p. 165.

RE M3D STEREO CARTRIDGE. Magnetic type with dia-
d needle. Comes already mounted in arm. See p. 170.

GHT KN-3002 SPEAKER SYSTEMS. Each has 8″ woofer and
tweeter. Bookshelf type, 12⅜x15x9″. See p. 127. With
connecting tables, instruction booklet. Less amplifier
below. 83 lbs. Express.

448 DL3MZ. *$10 Monthly*.................... **189.50**
629 MX. Oiled Walnut Case. For X-100. 6 lbs.... **22.45**

System 2—60-Watt Stereo Phono System

s-value system gives you exciting stereo music—plus
.30 savings off our low price of separate components.

R X-101C STEREO AMPLIFIER. Deluxe in every detail.
tts per channel. See p. 145.

GHT KN-990A AUTOMATIC TURNTABLE. 4-speed with
size platter, balanced arm. Walnut base. See p. 166.

IRE 888 STEREO CARTRIDGE. Magnetic type with dia-
d needle, 15° angle. Comes pre-mounted. See p. 170.

GHT KN-3005 SPEAKER SYSTEMS. Each has 10″ woofer, 6″
range, 3½″ tweeter. 22x12x8″. See p. 127. With all
necting cables, instruction booklet. Less amplifier case,
w. 102 lbs. Express.

446 DL3MZ. *$13 Monthly*.................... **244.95**
074 MX. Oiled Walnut Case. For X-101C. 6 lbs. **22.45**
072 MX. Brown Metal Case. For X-101C. 7 lbs.. **14.35**

stem 3—80-Watt Stereo Phono System

ating stereo realism and sizeable $73.25 savings off
dual component costs!

T 299C STEREO AMPLIFIER. 40 watts per channel for
ful, authentic stereo music. See p. 150.

RARD AT60 AUTOMATIC TURNTABLE. Deluxe features for
y accurate tracking. With walnut base. See p. 165.

E 888 STEREO CARTRIDGE. Magnetic type with dia-
d needle, 15° angle. Comes pre-mounted. See p. 170.

GHT KN-2260 SPEAKER SYSTEMS. Shelf-type. 12″ woofer,
midrange, horn tweeter. 25x17x8″. See p. 124. With all
necting cables, instruction booklet. Less amplifier case,
w. 137 lbs. Express.

U 447 DL3MZ. *$15 Monthly*.................... **299.95**
J 002 MX. Oiled Walnut Case. For 299C. 6 lbs.... **20.82**
J 001 MX. Brown Metal Case. For 299C. 5 lbs..... **11.85**

stem 4—80-Watt Solid-State Stereo System

hlights transparent quality made possible by solid-state
uitry and $86.25 savings off component costs.

TT 260 SOLID-STATE STEREO AMPLIFIER. Breathtaking
oduction of even subtlest nuances. See p. 148.

RARD A70 AUTOMATIC TURNTABLE. Deluxe features for
record performance. With walnut base. See p. 164.

KERING V-15/AME-1 CARTRIDGE. Elliptical stylus tracks
rds most faithfully. Pre-mounted. See p. 170.

GHT KN-2260 SPEAKER SYSTEMS. Each has 12″ woofer,
midrange, horn-loaded tweeter. 25x17x8″. See p. 124.
h all connecting cables, instruction booklet. Less ampli-
case, below. 136 lbs. Express.

J 445 DL3MZ. *$19 Monthly*.................... **409.95**
J 002 MX. Oiled Walnut Case. For 260. 6 lbs..... **20.82**
J 001 MX. Brown Metal Case. For 260. 5 lbs...... **11.85**

Save $88.88
$444.95
$20 monthly

System 5—90-Watt Solid-State Stereo System

FISHER TX-200 SOLID-STATE STEREO AMPLIFIER. Magnificent music-maker! 45 watts per channel. See p. 141.

GARRARD LAB 80 AUTOMATIC TURNTABLE. Features automatic cueing and indexing. With walnut base. See p. 164.

EMPIRE 888PE CARTRIDGE. Elliptical stylus. See p. 170.

KNIGHT KN-2300A SPEAKER SYSTEMS. Deluxe 3-way 12″ acoustic-suspension systems. 12x25x13½″. See p. 123. With all connecting cables, instructions. Less amplifier case, below. 148 lbs. Express.

21 U 444 DL3MZ. *$20 Monthly*.................... **444.95**
72 U 629 MX. Oiled Walnut Case. For TX-200. 6 lbs. **22.45**

Save $98.93
$519.95
$22 monthly

System 6—110-Watt Solid-State Stereo System

FISHER TX-300 SOLID-STATE STEREO AMPLIFIER. Fisher's finest with power to spare! See p. 141.

GARRARD LAB 80 AUTOMATIC TURNTABLE. Garrard's most advanced! With walnut base. See p. 164.

SHURE M55E CARTRIDGE. Elliptical stylus See p. 170.

KNIGHT KN-2350A SPEAKER SYSTEMS. Knight's ultimate! 3-way 12″ acoustic-suspension type. See p. 122. With all connecting cables, instruction booklet. Less amplifier case, below. 150 lbs. Express.

21 U 443 DL3MZ. *$22 Monthly*.................... **519.95**
72 U 629 MX. Oiled Walnut Case. For TX-300. 6 lbs.. **22.45**

e Pages Indicated for Full Descriptions of Components

Plug-In-and-Play Stereo FM-Phono Music Cent

SYSTEMS FEATURING FISHER DELUXE STEREO FM RECEIVERS

Systems with Receivers Save You Money . . .

Receivers combine high-powered stereo control amplifier, plus deluxe stereo FM tuner—in one single, money-saving unit. In addition, Allied's special system prices save you a great deal off the total price of components bought separately.

. . . Are So Easy to Install in Your Ho

The receiver offers several distinct installation adv It occupies less space on a shelf or in a cabi separate tuner and amplifier. Requires the simplest co and, for custom panel mounting, one less cutout.

Lowest Priced 65-Watt Stereo Multiplex FM-Phono Music Center

Save $38.14 **$299.50** $15 monthly

Delivers impressive stereo music—saves you $38.14 off cost of components purchased separately.

FISHER 400 RECEIVER. Famous tube-type combines sensitive tuner and powerful 65-watt amplifier. See p. 139.

GARRARD 50 AUTOMATIC TURNTABLE. Oversize platter; balanced arm. With oiled walnut base. See p. 165.

SHURE M3D STEREO CARTRIDGE. Magnetic type with diamond needle. Comes mounted in pickup arm. See p. 170.

2—KNIGHT KN-3002 SPEAKER SYSTEMS. Each has 8″ woofer and 3½″ tweeter for 50-15,000 cps response. Bookshelf type, 12⅜x15x9″. See p. 127.

With all connecting cables, instructions. Less receiver case, below. Shpg. wt., 98 lbs.

21 U 450 DL3MZ. Express . . . **299.50**

72 U 055 MX. Oiled Walnut Case. For "400" Receiver. 7 lbs. **22.45**

Solid-State 50-Watt Stereo Multiplex FM-Phono Music Center

Save $41.88 **$369.95** $17 monthly

The beauty and clarity of solid-state stereo music at $41.88 savings off the cost of separate components.

FISHER 440T RECEIVER. Solid-state stereo FM tuner and 50-watt stereo amplifier. See p. 138.

KNIGHT KN-990A CHANGER. 4-speed; oversize platter; balanced arm. With oiled walnut base. See p. 166.

PICKERING V-15/AT-1 CARTRIDGE. Magnetic, diamond needle, 15° angle. Premounted in head. See p. 170.

2—KNIGHT KN-3005 SPEAKER SYSTEMS. Each has 10″ woofer, 6″ mid-range, 3½″ tweeter. 22x12x8″ See p. 127.

With all connecting cables, instruction booklet. Less receiver case, below. Shpg. wt., 108 lbs.

21 U 453 DL3MZ. Express . . . **369.95**

72 U 633 MX. Oiled Walnut Case. For "440T" Receiver. 8 lbs. **22.45**

Value-Priced 75-Watt St Multiplex FM-Phono Music

Save $65.83 **$454.50** m

Features Fisher's finest tu stereo FM receiver. Save $6 total cost of separate compon

FISHER 500C RECEIVER. Delux sensitive stereo FM tuner and stereo amplifier. See p. 139.

GARRARD AT60 AUTOMATIC TABLE. Features highly accurat ing. With oiled walnut base. Se

EMPIRE 888 CARTRIDGE. Magne diamond needle, 15° angle. already mounted in arm. See

2—KNIGHT KN-2260 SPEAK TEMS. Each has 12″ woofer, range, horn-loaded tweeter. 2 See p. 124.

With all connecting cables, ins booklet. Less receiver case, Shpg. wt., 147 lbs.

21 U 451 DL3MZ. Express . . .

72 U 055 MX. Oiled Walnut C "500C" receiver. 7 lbs. . . . . . .

Featuring Quality-Crafted Stereo FM Receivers

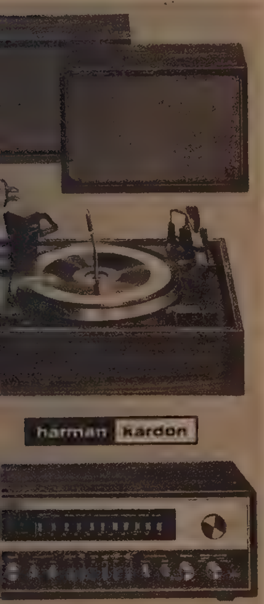
YSTEMS FEATURING NAME-BRAND SOLID-STATE STEREO FM RECEIVERS

o System Operating Convenience . . .

o FM receiver includes a full complement of controls its stereo amplifier and stereo FM tuner sections—all gle panel. Lets you quickly make virtually all audio nts in one place.

Benefits of Solid-State Stereo Receivers

Solid-state components set a new standard in sparkling clear stereo music reproduction. The instant you turn it on, your receiver delivers magnificently "alive" music. Solid-state means compactness, cool operation, top dependability.


harman kardon

lid-State 75-Watt Stereo lex FM-Phono Music Center

ve .40 **$529.50** $23 monthly

ound bursting with dynamic realism—at $83.40 savings off e cost of components.

N-KARDON SR900 RECEIVER. n-Kardon's finest solid-state FM receiver. See p. 152.

RD A70 AUTOMATIC TURNTABLE. type with top-performance s. Oiled walnut base. See p.164.

888 CARTRIDGE. Magnetic type, d needle, 15° angle. Supplied ed in arm. See p. 170.

GHT KN-2260 SPEAKER SYS- Each has 12" woofer, 8" mid- horn-loaded tweeter. 25x17x8". 124.

ll connecting cables, instruction t. Less receiver case, below. wt., 141 lbs.

54 DL3MZ. Express . . . **529.50**

08 MX. Oiled Walnut Case. For receiver. 8 lbs. **25.46**

SCOTT

Solid-State 100-Watt Stereo Multiplex FM-Phono Music Center

Save $86.70 **$599.50** $25 monthly

Dazzling reproduction of the exciting music you love. Save $86.70 off cost of components bought separately.

SCOTT 348 RECEIVER. Scott's finest stereo FM receiver. Outstanding 40-db channel separation! See p. 146.

GARRARD A70 AUTOMATIC TURNTABLE. Deluxe type with top-performance features. Oiled walnut base. See p.164.

PICKERING V-15/AME-1 CARTRIDGE. Elliptical stylus for highest accuracy. Mounted in head. See p. 170.

2—KNIGHT KN-2300A SPEAKER SYSTEMS. Deluxe 3-way 12" acoustic-suspension systems. 14x25x13½". See p. 123.

With all connecting cables, instruction booklet. Less receiver case, below. Shpg. wt., 156 lbs.

21 U 456 DL3MZ. Express . . . **599.50**

72 U 733 MX. Oiled Walnut Case. For 348 receiver. 7 lbs. **26.95**

FISHER

Solid-State 120-Watt Stereo Multiplex FM-Phono Music Center

Save $97.33 **$629.50** $26 monthly

Each component is its manufacturer's best! And you save $97.33 off the cost of components bought separately.

FISHER 600T RECEIVER. Fisher's finest! 120 watts of music power for captivating stereo. See p. 138.

GARRARD LAB 80 AUTOMATIC TURNTABLE. Garrard's best! Automatic cueing and indexing. See p. 156.

EMPIRE 888PE CARTRIDGE. Empire's best! Elliptical stylus tracks records most faithfully. See p. 170.

2—KNIGHT KN-2350A SPEAKER SYSTEMS. Knight's finest shelf-size system! 3-way 12" acoustic-suspension type. See p. 122.

With all connecting cables, instruction booklet. Less receiver case, below. Shpg. wt., 157 lbs.

21 U 455 DL3MZ. Express . . . **629.50**

72 U 633 MX. Oiled Walnut Case. For 600T receiver. 8 lbs. **22.45**

Hi-Fi Systems Are Shipped Via Express

Complete Money-Saving Stereo Music Cent

SELECTED KIT SYSTEMS GIVE YOU EXTRA VALUE FOR YOUR MONE

Our Complete Kit Systems Save You Money

You save two ways: you get big savings off the cost of components bought separately, and by building it yourself, you save the difference of factory-assembled components.

Kit Systems Add to Your Stereo Hi-Fi Pl

Hi-fi component kits add a new element of enjoyme system—pleasurable hours of kit-building, increase edge of stereo hi-fi electronics, satisfaction of a job

dynakit

Low-Cost 35-Watt Kit System

Save $20.06 $\$169^{95}$ $9 monthly

Spectacular stereo reproduction priced far below what you'd expect, thanks to kit-building economy and sizable savings off cost of components bought separately.

DYNAKIT SCA-35 AMPLIFIER KIT. Easy to assemble. 35-watt output; full control and input complement; magnificent stereo sound. Cordovan brown metal enclosure. See p. 154.

GARRARD MODEL 50 AUTOMATIC TURNTABLE. 4 speeds; oversize platter; balanced arm; adjustable stylus pressure gauge. Oiled walnut base. See p. 165.

SHURE M3D STEREO CARTRIDGE. Magnetic-type with diamond needle. Comes mounted in head. See p. 170.

2—KNIGHT KN-3002 SPEAKER SYSTEMS. Each has 8″ woofer and 3½″ tweeter for 50-15,000 cps response. Bookshelf type, 12⅜x15x9″. See p.127.

With all connecting cables, Allied system instruction booklet. Shpg. wt., 77 lbs. Express.

21 U 457 DL3MZ. *$9 Monthly* **169.95**

FISHER

Plus-Value 50-Watt Kit System

Save $48.30 $\$199^{95}$ $10 monthly

Selected to give you sparkling stereo realism, plus kit savings and system savings off cost of components bought separately.

FISHER KX-100 STEREO AMPLIFIER KIT. 50-watt output; full array of inputs and controls; front-panel stereo headphone jack. See p. 143. (Less case.)

KNIGHT KN-990A CHANGER. 4-speed automatic with 11″ platter, balanced arm. Oiled walnut base. See p. 166.

PICKERING V-15/AT-2 CARTRIDGE. Magnetic; diamond needle. See p. 170.

2—KNIGHT KN-3005 SPEAKER SYSTEMS. Each has 10″ woofer, 6″ mid-range and 3½″ tweeter for 40-16,000 cps response. Bookshelf type. See p. 127.

With all connecting cables, Allied system instruction booklet. Shpg. wt., 108 lbs. Express.

21 U 458 DL3MZ. *$10 Monthly* **199.95**

72 U 074 MX. Oiled Walnut Wood Case. For amplifier. 6 lbs. **22.45**

72 U 072 MX. Brown Metal Case. Simulated leather. 7 lbs. **14.35**

EICO

Value-Priced 80-Watt Ki

Save $23.25 $\$239^{95}$ m

Powerful system for true-t formances. Yours with doub —you save off cost of pre- amplifier and speaker sys off individual component c

EICO ST-70K STEREO AMP 80-watt output; controls a for every source. Gold-colo enclosure. See p. 156.

GARRARD AT60 AUTOMA TABLE. 4-speed automatic size platter, counterweight pickup arm, bias compen calibrated stylus pressure a Oiled walnut base. See p. 1

EMPIRE 888 STEREO CARTRI netic-type with diamon Comes already mounted arm. See p. 170.

2—KNIGHT KN-3030K SPE TEM KITS. Easy to assemble systems. Bookshelf-type. S

With all connecting cabl system instruction book wt., 131 lbs. Express.

21 U 459 DL3MZ. *$12 Month*

aturing Easy-to-Build Stereo Amplifier Kits

ILD BRAND-NAME QUALITY INTO YOUR SYSTEM AND SAVE EVEN MORE

d's Complete Kit Systems Install Easily

ystem includes all connecting cables and Allied's special ion booklet to help you set up your completed stereo center in just a few minutes.

Speaker System Kits Provide Added Savings

Outfits including speaker systems in easily assembled kit form give you additional savings off cost of factory-finished systems. You need only a screwdriver and an evening's time.

uality 80-Watt Kit System

ave 8.25 **$299.95** **$15 monthly**

b-quality grouping for spell-ng stereo music. Save substan- off total cost of components ased separately.

T LK-72A STEREO AMPLIFIER KIT. to assemble. 80-watt output; s for every stereo and mono source. See p. 151. (Less case.)

RARD A70 AUTOMATIC TURN- 4 speeds; oversize platter; terweighted arm; pusher-type d changer. Oiled walnut base. . 164.

ERING V-15/AME-1 CARTRIDGE. netic; elliptical. See p. 170.

NIGHT KN-2330K SPEAKER SYS- KITS. Easy-to-assemble 12″ 3-way ms. Bookshelf-type. See p. 125. all connecting cables, Allied's m instruction booklet. Shpg. wt., bs. Express.

460 DL3MZ. *$15 Monthly* **299.95**

002 MX. Oiled Walnut Wood . For amplifier. 6 lbs....... **20.82**

001 MX. Brown Metal Case. Simu- leather. 5 lbs.............. **11.85**

Deluxe 70-Watt Kit System

Save $54.20 **$339.95** **$16 monthly**

Delivers music with beauty and clarity that rivals the original performance. Gives you mammoth savings off individual component costs.

DYNAKIT "STEREO 70" BASIC AMPLIFIER KIT. Easy to build. 70-watt output. 10-40,000 cps flat response. Brown perforated metal case. See p. 154.

DYNAKIT PAS-3 STEREO PREAMP KIT. Complete stereo/mono control facilities. Brown vinyl case. See p. 154.

GARRARD A70 AUTOMATIC TURNTABLE. 4 speeds; oversize platter; weighted arm; pusher-type record changer. Oiled walnut base. See p. 164.

EMPIRE 888PE STEREO CARTRIDGE. Magnetic-type with elliptical diamond needle. Premounted. See p. 170.

2—KNIGHT KN-2260K SPEAKER SYSTEM KITS. Easy-to-assemble 12″ 3-way system. Bookshelf-type. See p. 124. With all connecting cables, Allied's system instruction booklet. Shpg. wt., 157 lbs. Shipped Express.

21 U 461 DL3MZ. *$16 Monthly* **339.95**

100-Watt Solid-State Kit System

Save $58.70 **$389.95** **$18 monthly**

Stereo music to delight the tastes of the most critical audio enthusiast, plus huge savings off cost of components purchased individually.

SCOTT LK-60 STEREO AMPLIFIER KIT. 100-watt output; solid-state circuitry; full array of stereo/mono inputs and controls. See p. 149. (Less case.)

GARRARD LAB 80 AUTOMATIC TURNTABLE. Combines turntable precision and automatic changing convenience. Oiled walnut base. See p. 164.

SHURE M55E STEREO CARTRIDGE. Magnetic type with elliptical diamond needle. Comes mounted in arm. See p. 170.

KNIGHT KN-2300AK SPEAKER SYSTEM KITS. Deluxe 12″ 3-way acoustic suspension system. Shelf-type. See p.123. With all connecting cables, instructions. 104 lbs. Express.

21 U 462 DL3MZ. *$18 Monthly* **389.95**

72 U 002 MX. Oiled Walnut Wood Case. For amplifier. 6 lbs....... **20.82**

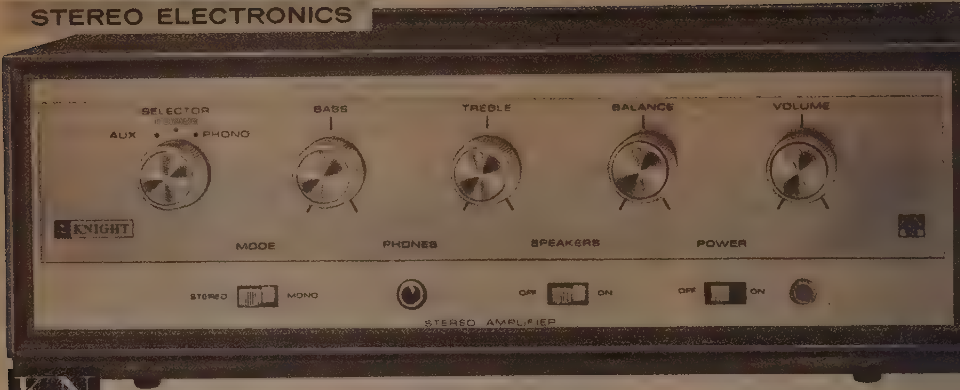
72 U 001 MX. Brown Metal Case. Simulated leather. 5 lbs............ **11.85**

Indicated for Full Descriptions of Components

KNIGHT

STEREO ELECTRONICS

Shown in Wo


SELECTOR
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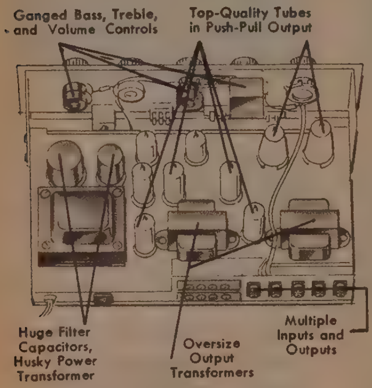
928

KN-928 28-Watt Stereo Hi-Fi Amplif


Ganged Bass, Treble, and Volume Controls
Top-Quality Tubes in Push-Pull Output
Huge Filter Capacitors, Husky Power Transformer
Oversize Output Transformers
Multiple Inputs and Outputs

CHECK THESE EXTRAS!

Separate Ganged Bass and Treble Controls Adjust Both Channels Together

Front-Panel Jack Accepts Stereo Headphones, Switch Silences Speakers

AC Convenience Outlet Powers Turntable, Tuner, or Tape Recorder

KN-245A Stereo FM-AM Tuner

Sensitive tuner brings you thrilling stereo multiplex FM, conventional FM broadcasts and AM too. Perfectly matches KN-928, and KN-940A. Complete description on page 112.

ALLIED'S BEST-SELLING STEREO AMPLIFIER!

$59⁹⁵ less case

$5 monthly

- 56 Watts Peak, 28 Watts IHF Music Power
- Drives Any Speakers to Room Filling Sound
- Wide Range Response Covers 30-16,000 cps
- Dual Bass and Treble, Ganged Volume Con
- High Impedance Stereo Tape Recorder Out

Thousands of delighted music lovers agree that the KN-928 is the
sounding stereo amplifier in its price range. Offers features that you'd
to find only in units costing much more—heartily recommended for
stretching home music systems.

A single control chooses inputs for primary sources of stereo sound
netic phono, multiplex tuner, and tape recorder or ceramic phono. Ju
a switch and go from stereo to powerful 56-watt peak monophonic op
Ganged bass and treble controls let you adjust lows and highs to su
personal listening taste and room acoustics—vary both channels a
A single control makes channel balancing easy with any speakers,
location. Front panel jack accommodates stereo headphones; switch
speakers for private listening.

Oversize output transformers and four husky 6BQ5 power pentodes
push-pull output circuits give you plenty of undistorted power t
most speakers to full listening levels. High impedance outputs let yo
stereo tape recordings independently of amplifier's tone and volume c
Outlet on rear apron provides AC power for record changer, tuner
controlled by the KN-928's on-off switch. Size, 13½x5x11½",
KN-245A Tuner, page 112. White and brushed brass control pan
optional case, below. For 110-125 v., 50-60 cycle AC. Made in U.S.A
wt., 14 lbs.

95 U 045 MU. *$5 Monthly*..

95 U 024 MX. Oiled Walnut Wood Case. Shpg. wt., 4 lbs..........

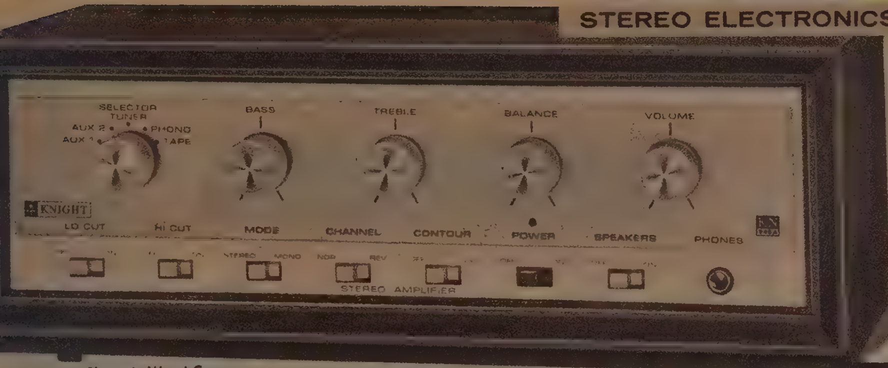
95 U 049 MX. Brown Metal Case. Shpg. wt., 4 lbs....................

KN-928 SPECIFICATIONS

Output Power: 56 watts peak; 28 watts IHF; 24 watts rms.
Frequency Response: ±1 db, 30-16,000 cps at rated output po
Harmonic Distortion: Less than 2% at rated output power.
Hum and Noise: −70 db tuner input; −50 db, mag. phono in
Outputs: 4, 8, 16 ohms; hi-Z recorder; lo-Z headphone.
Inputs: Four pairs—Magnetic Phono (5.0 mv.); Ceramic or Cr
Phono (0.24 v.); Tuner (0.60 v.); Auxiliary (0.60 v.).
Tubes: 4—12AX7A; 4—6BQ5; 1—6CA4.
Controls: Bass; Treble; Balance; Volume; Input Selector; St
Mono; Speaker On-Off; AC Power On-Off.

KNIGHT

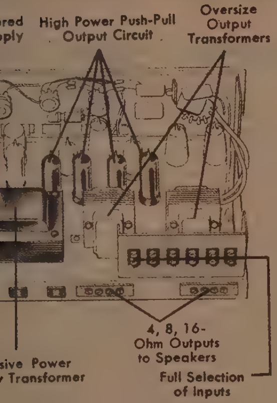
STEREO ELECTRONICS


SELECTOR
TUNER
AUX 2
PHONO
AUX 1
TAPE
BASS
TREBLE
BALANCE
VOLUME
KNIGHT
LO CUT
HI CUT
MODE
CHANNEL
CONTOUR
POWER
SPEAKERS
PHONES
STEREO
MONO
NOR
REV
STEREO AMPLIFIER

Shown in Wood Case

KN 940A

-940A 44-Watt Stereo Hi-Fi Amplifier


…red
…ply
High Power Push-Pull Output Circuit
Oversize Output Transformers
4, 8, 16-Ohm Outputs to Speakers
…sive Power
… Transformer
Full Selection of Inputs

CHECK THESE EXTRAS!

…Outlets for Auxiliary …t—One Controlled by …'s On-Off Switch

…plement of Stereo …d Outputs for Every … Music

…ols Seldom Found … Low Price—Lo & …everse, Contour

-45A Stereo FM-AM Tuner

…ve tuner brings you thrilling …multiplex FM, conventional FM …M. Similar in size and appear- … KN-940A. Complete descrip- … page 112.

OUTPERFORMS ALL OTHERS IN ITS PRICE CLASS!

$89.95 less case

$5 monthly

- 88 Watts Peak, 44 Watts IHF Music Power
- Clearly Reproduces Loudest Musical Passages
- Wide Array of Front Panel Controls Including Bass, Treble, Balance and Loudness Controls
- Complete Stereo Tape Recording Facilities

Reproduces music with a delightfully clear sound—outperforms all others in its price class by a wide margin. Produces 88-watt peak stereo output—44 watts IHF music power for rock-solid bass, spotlessly clean midrange, fresh crisp treble—even with low efficiency speaker systems.

Features a full array of controls and stereo inputs for every music source. Low and hi-cut filters remove turntable rumble and record scratch noises. Recorder outputs let you make stereo tapes from tuner or records unaffected by amplifier's tone and volume controls. Dual channel bass and treble controls adjust both channels at once. Balance control assures perfect stereo—from any listening point, with any speakers. Switch selects 88 watts peak stereo or monophonic operation. Two AC outlets on rear apron provide power for changer, tuner, etc.—one is controlled by amplifier on-off switch.

Other deluxe features include: stereo headphone jack, speaker on-off switch for private listening; stereo reverse switch; contour-loudness switch; pilot light. Size, 13 7/16x4 1/2x11 3/8". White and brushed brass control panel. Less optional case, below. For 110-125 v., 50-60 cycle AC. Made in U.S.A. Shpg. wt., 17 lbs.

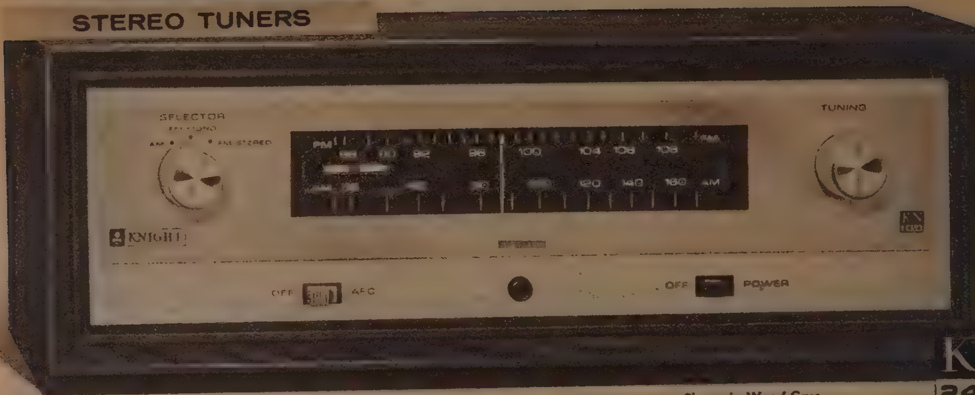
95 U 047 MU. *$5 Monthly*	**89.95**
95 U 049 MX. Brown Metal Case. Shpg. wt., 4 lbs.	**5.95**
95 U 024 MX. Oiled Walnut Wood Case. Shpg. wt., 4 1/4 lbs.	**12.95**

KN-940A SPECIFICATIONS

Output Power: 88 watts peak; 44 watts IHF; 36 watts rms.
Frequency Response: ±1 db, 30-18,000 cps at rated output power.
Harmonic Distortion: 0.5% at rated output power.
Hum and Noise: −72 db, tuner input; −55 db mag. phono input.
Outputs: 4, 8, 16 ohms; hi-Z recorder; lo-Z headphone.
Inputs: Five pairs—Tape Head (7.0 mv.); Tuner (0.3 v.); Magnetic Phono (5.0 mv.); Aux. 1 (0.35 v.); Aux. 2 (0.35 v.).
Tubes: 5—12AX7A; 4—6BQ5; 1—6CA4.
Controls: Bass; Treble; Balance; Volume; Input Selector; Lo-Cut; Hi-Cut; Stereo/Mono; Channel Reverse; Contour Off-On; Speaker Off-On; AC Power Off-On.

KNIGHT

STEREO TUNERS


SELECTOR
AM
FM STEREO
KNIGHT
TUNING
OFF
AFC
OFF
POWER

Shown in Wood Case

Our Most Popular Stereo Multiplex FM-AM Tun

DELUXE FEATURES

Magic Eye Tuning Indicator Pinpoints FM and AM Stations for Peak Reception

Automatic Frequency Control Circuit Locks on FM Stations

Stereo Indicator Lights Up Automatically the Instant You Tune Stereo Broadcast

KN-245A Deluxe Stereo FM-AM Tune

$97.50 less case

$5 monthly

- Brings You Beautiful Stereo Multiplex FM
- Also Brings You Conventional FM and AM
- Automatic Stereo Indicator, Tuning Eye
- AFC Eliminates FM Station Drifting
- 2 IF's, Ratio Detector and Limiter
- Clean Circuit Layout for Best Isolation

Performance-proven . . . incorporating many deluxe features for FM and AM reception . . . offered at a low, budget-fitting price—no der it's our most popular stereo FM-AM tuner. Perfect compani any stereo amplifier to bring you full-fidelity stereo multiplex FM conventional FM and AM broadcasts. Newly developed multiple modulator provides flawless reception of both stereo FM program

Automatic Frequency Control eliminates drift of FM signals; c switched off when you want to tune weaker distant stations adjac strong local stations. Has two IF stages with ratio detector and l circuits for clean FM and AM, uncluttered by static and noise. indicator automatically shows when you've tuned in an FM statio is broadcasting in stereo.

Flywheel-weighted tuning knob, edge-lit slide-rule dial and mag tuning indicator offer you most accurate and convenient station tion. Sensitive AM circuit includes built-in ferrite rod antenna. panel 50 and 300-ohm inputs for external FM antenna. Large supply transformer. Clean layout for best isolation and tempe control. 13$\frac{7}{16}$x4$\frac{1}{2}$x11$\frac{1}{4}$″. Less case, below. For 110-125 v., 50-6 AC. Made in U.S.A. Shpg. wt., 12 lbs.

95 U 018 MU. *$5 Monthly*..............................9

95 U 024 MX. Oiled Walnut Wood Case. 4 lbs..............

95 U 049 MX. Cordovan Brown Metal Case. 5 lbs..............

KN-245A SPECIFICATIONS

FM SECTION

FM Sensitivity: 2 µv for 20 db quieting.
FM Response: ±1 db, 20-20,000 cps.
FM Bandwidth: 280 kc.
FM Distortion: Below 1.0% at 100% modulation.
Channel Separation: Over 30 db.
Hum and Noise: 55 db below 100% modulation.

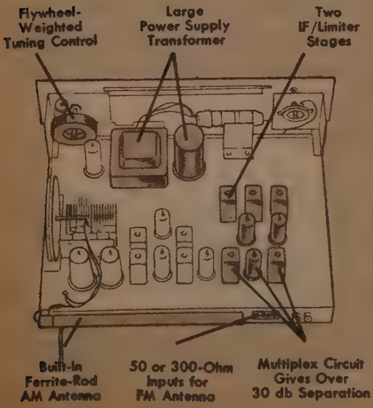
AM SECTION

AM Sensitivity: 8 µv for 20 signal-to-noise ratio.
AM Response: 20-8000 cps.
AM Bandwidth: 8 kc.
AM Antenna: Ferrite Rod.

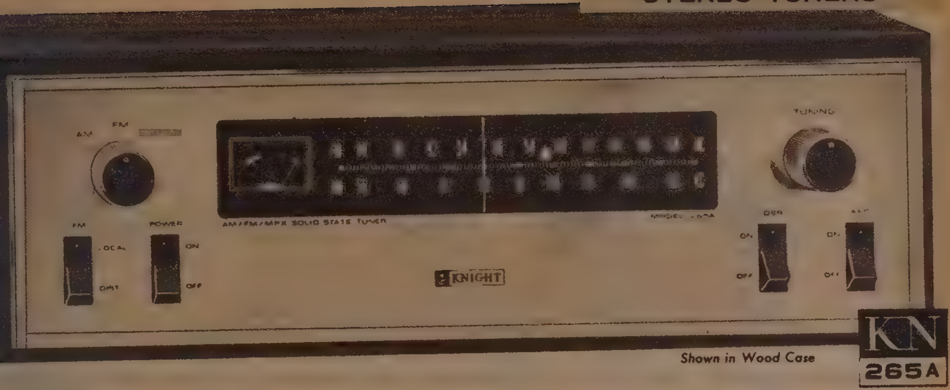
OVERALL

Tubes: 3—12AT7, 3—6A 6BE6, 6X4, 12AX7A, 6F 7 diodes.

These Deluxe Features Increase Your Pleasure


Flywheel-Weighted Tuning Control
Large Power Supply Transformer
Two IF/Limiter Stages
Built-In Ferrite-Rod AM Antenna
50 or 300-Ohm Inputs for FM Antenna
Multiplex Circuit Gives Over 30 db Separation

Thrill to Stereo FM Now—Use Your Allied Credit


AM
FM
TUNING
AM/FM/MPX SOLID STATE TUNER
POWER
ON
OFF
LOCAL
DIST
DSR
AFC
KNIGHT
KN
265A

Shown in Wood Case

Our Finest Solid-State Stereo FM-AM Tuner

-265A Stereo Multiplex FM-AM Tuner

49^{95} less case

$8 monthly

- All the Benefits of Solid-State Circuitry
- Incredibly Realistic Stereo FM Reception
- Flawless Conventional FM and AM
- 3-Gang Tuned RF Stage; 4 IF/Limiter Stages
- Automatic Stereo Indicator; Tuning Meter
- Finest American-Made Semiconductors

es all the wonderful advances of last year's highly successful
5, with improvements: a precision D'Arsonval tuning meter on
ont panel and easy-action rocker-switches. Yet it is yours for
less than the price of the KN-265 in our 1965 Catalog 240.

mph in wideband solid-state tuner design, the KN-265A brings
ncredibly realistic stereo FM reception, plus conventional FM
M performance of striking clarity. AFC prevents FM stations
lrifting; can be switched off when you want to tune weak or distations adjacent to strong ones. Dynamic Sideband Regulation
s FM distortion caused by weak signal level or overmodulation
station. Solid-state circuitry contributes finer sound (virtually
om hum and noise), compact size, cool and instant operation. FM
has 3-gang tuned RF stage; 4 IF/limiter stages; Local/Distant
n; wideband ratio detector; 50-300 ohm antenna inputs. Highly
ve AM section has tuned RF stage; 10-kc whistle filter; built-in
ick antenna.

ansistors, 8 diodes, 1 rectifier. 4½x13⅞x12″. With indoor FM
na, ferrite AM antenna, two 3′ audio cables. Less case, below. For
27 v., 50-60 cycle AC. Made in U.S.A. 14 lbs.

503 MU. *$5 Monthly*	**149.95**
023 MX. Oiled Walnut Wood Case. 6 lbs.	**14.95**
038 MX. Cordovan Brown Metal Case. 4 lbs.	**6.50**

KN-265A SPECIFICATIONS

FM SECTION

Sensitivity: 2 μv for 20 db quieting; 3 μv IHF.
Response: ±½ db, 20-25,000 cps.
Bandwidth: 300 kc.
Distortion: 0.5% at 100% modulation.
annel Separation: 30 db.
m and Noise: 58 db below 100% modulation.

AM SECTION

AM Sensitivity: 5 μv for 20 db signal-to-noise ratio.

OVERALL

Stereo Outputs: 2 low-impedance for amplifier; 2 high-impedance for recorder.
Antennas: FM, 50 and 300-ohm input; AM, loopstick, ext. input.

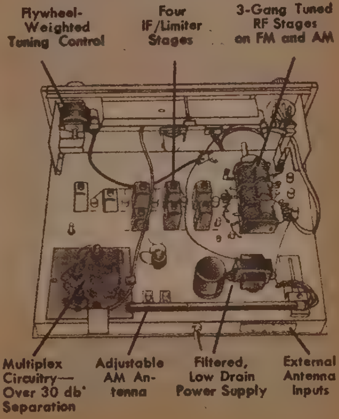
DELUXE FEATURES

New Precision D'Arsonval Tuning Meter Lets You Tune With Pinpoint Accuracy

Dynamic Sideband Regulation Reduces FM Distortion From Weak Signal or Overmodulation

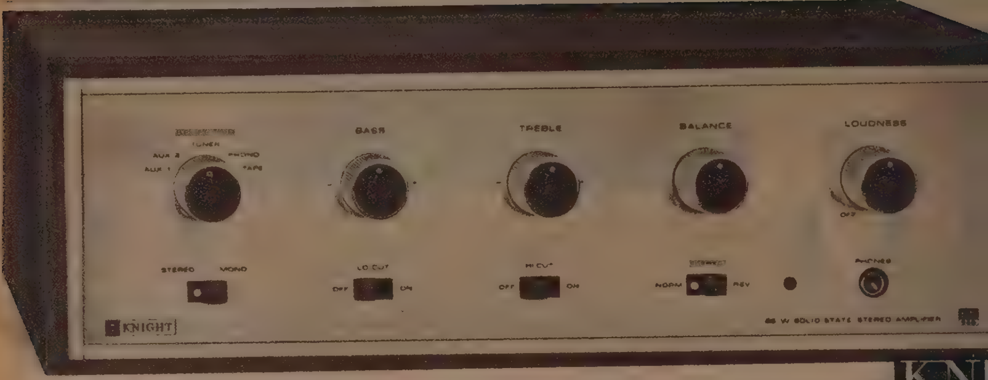
AFC Eliminates Annoying FM Drift; Can Be Switched Off to Tune Weaker Stations

Deluxe Solid-State Circuit Assures Flawless Reception


Flywheel-Weighted Tuning Control
Four IF/Limiter Stages
3-Gang Tuned RF Stages on FM and AM
Multiplex Circuitry—Over 30 db Separation
Adjustable AM Antenna
Filtered, Low Drain Power Supply
External Antenna Inputs

KNIGHT

STEREO HIGH-FIDELITY

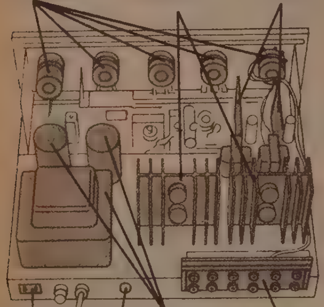

TUNER
AUX 2
AUX 1
PHONO
TAPE
BASS
TREBLE
BALANCE
LOUDNESS
OFF
STEREO
MONO
LO CUT
OFF
ON
HI CUT
OFF
ON
NORM
REV
PHONES
KNIGHT
66 W SOLID STATE STEREO AMPLIFIER

Shown in Wood Case

KN
966

BRAND-NEW! ADVANCED SOLID-STATE STERE

TOP-PERFORMANCE FEATURES


Dual Controls for Greater Convenience
Transistor-Temperature Stabilizers
Military-Type Terminal-Board Wiring
AC Outlet for Plugging In Tuner/Changer
Well-Filtered, Heavy-Duty Power Supply
Multiple Input And Tape Output Jacks for Every Program Source
Jack to Plug-In Stereo Speakers

Matching KN-265A Stereo Tuner

A triumph in solid-state tuner design, our KN-265A lets you enjoy the wonderful realism of Stereo FM, plus flawless reception of standard AM-FM. A perfect companion for our KN-966 stereo amplifier. See page 113 for a complete description.

New KN-966 66-Watt Stereo Amplifie

All-Transistor, More Power, Lowest C

$119.95 less [illegible]

$6 monthly

Space-Age Semiconductor Research and Knight "Know-How" Bring You this Superb Solid-State Amplifier. Banished Forever are Distortion, Hum and Noise Caused by Tubes. You Get Incredibly Lifelike Stereo.

Magnificent 66-watt stereo amplifier brings out the best in any m
Reproduces the full audio spectrum with stunning realism. Years-a
solid-state circuitry offers those "plus" features that add up to gr
listening pleasure. Instant-music, no filaments to warm up. No m
phonics or mechanical noise. Almost no heat. Extra-powerful and cl
bass, output transformers have been eliminated. Get space-saving
pactness too. An unusually good value, offering big power, luxu
styling, reliable operation at a moderate price. Functional front
puts complete command of any music source at your fingertips, ye
easy enough for anyone to use the KN-966. Stereo headphone jack
you the added convenience of private listening. Brushed-brass
with stylish black-inset knobs. 4½x13⅞x12¾". Less case, listed b
For 105-130 v., 60 cycle AC. Made in U.S.A. Shpg. wt., 16 lbs.

95 U 506 MU. *$6 Monthly*....................................11

95 U 023 MX. **Oiled Walnut Wood Case.** Shpg. wt., 6 lbs.............

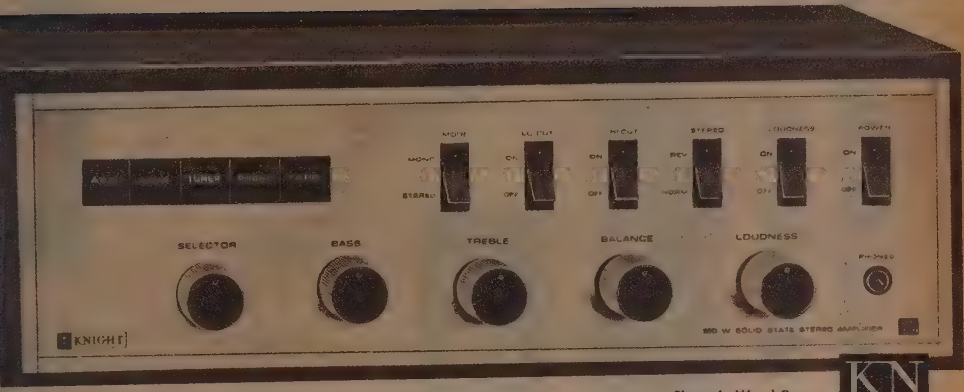
95 U 038 MX. **Cordovan Brown Metal Case.** Shpg. wt., 4 lbs..........

KN-966 SPECIFICATIONS

Power Output: 66 watts IHF; 33 watts IHF music power per chann
20 watts continuous sine-wave power per channel. **Frequency**
sponse: ±1 db, 20 to 20,000 cps. **Harmonic Distortion:** less than 1.0
Hum and Noise: −75 db, tuner; −60 db, mag. phono. **Sensitiv**
tuner, 0.25 v.; tape, 4.5 mv; phono, 4 mv; aux. 1, 1.0 v.; aux.
0.5 v. **Inputs:** 5 pairs—magnetic phono, tape head, tuner, auxili
1, aux. 2. **Outputs:** 4, 8 or 16 ohms; 2 hi-Z to recorder; low-Z ste
headphone jack. **Controls:** selector switch, bass, treble, balan
volume/on-off, stereo/mono, lo-cut, hi-cut, channel normal/rever
Semiconductors: 21.

KNIGHT

STEREO HIGH-FIDELITY


MODE
LO CUT
HI CUT
STEREO
LOUDNESS
POWER
MONO
STEREO
ON
OFF
REV
NORM
TUNER
PHONO
TAPE
SELECTOR
BASS
TREBLE
BALANCE
LOUDNESS
PHONES
KNIGHT
120 W SOLID STATE STEREO AMPLIFIER

Shown in Wood Case

KN
999A

ISTRUMENTS FOR AMAZING PURITY OF SOUND

w KN-999A 120-Watt Stereo Amplifier..

Our Finest and Most Powerful Ever!

$199.95 less case

$10 monthly

A Milestone in the Art of Stereo Hi-Fi Music Reproduction. Combines Abundant Reserve Power to Drive Any Speaker with the Advantages of All-Transistor Circuitry. Another Knight-Pioneered Achievement!

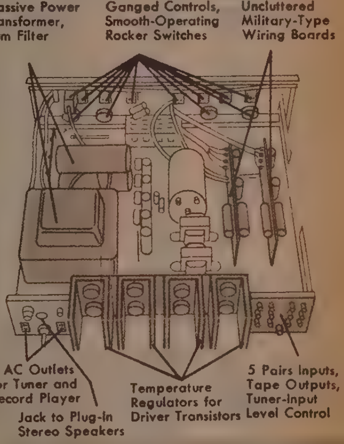
ated for those who insist on the finest in stereo amplifier performance. vers a mighty 120 watts for all the distortionless power you will need. Knight-engineered to give you the advantages of tremendous er, without venturing into an exorbitant price range. Runs cool in installation. Efficient temperature-control convectors and spacious ssis let transistors operate at full efficiency at all times. Solid-state uitry provides freedom from electronic coloration—always authentic nding. Boasts a unique Selector system using illuminated windows. turn the Selector Control and the appropriate window lights up to v which inputs are connected for playing: Aux. 1, Aux. 2, Tuner, no or Tape. Sophisticated brushed-brass control panel with black ker switches and knob insets. 4½x13⅞x12¾". Less case, below. For -130 v., 60 cycle AC. Made in U.S.A. Shpg. wt., 21 lbs.

J 509 MU. *$10 Monthly*	**199.95**
J 023 MX. Oiled Walnut Wood Case. Shpg. wt., 6 lbs.	**14.95**
J 038 MX. Cordovan Brown Metal Case. Shpg. wt., 4 lbs.	**6.50**

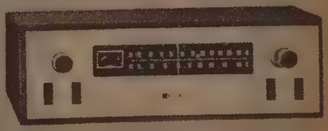
KN-999A SPECIFICATIONS

ower Output: 120 watts IHF; 60 watts IHF music power per channel; 5 watts continuous sine-wave power per channel. **Frequency Response:** ±1 db, 15-30,000 cps. **Harmonic Distortion:** less than 1.0%. **um and Noise:** −90 db, tuner; −65 db, mag. phono. **Sensitivity:** uner, 0.25 v.; tape, 4.5 mv; phono, 4 mv; aux. 1, 1.0 v.; aux. 2, 0.5 v. **nputs:** 5 pairs—magnetic phono, tape head, tuner, aux. 1 and 2. **Outputs:** 4, 8 or 16 ohms; 2 hi-Z to recorder; low-Z stereo headphone. **ontrols:** Selector with windows, bass, treble, balance, loudness-olume, hi-cut and lo-cut, mono/stereo, reverse/normal, loudness, ower on-off. **Semiconductors:** 25.

OUTSTANDING DESIGN FEATURES


Massive Power Transformer, Hum Filter
Ganged Controls, Smooth-Operating Rocker Switches
Uncluttered Military-Type Wiring Boards
2 AC Outlets for Tuner and Record Player
Jack to Plug-in Stereo Speakers
Temperature Regulators for Driver Transistors
5 Pairs Inputs, Tape Outputs, Tuner-Input Level Control

KN-265A Companion Stereo Tuner

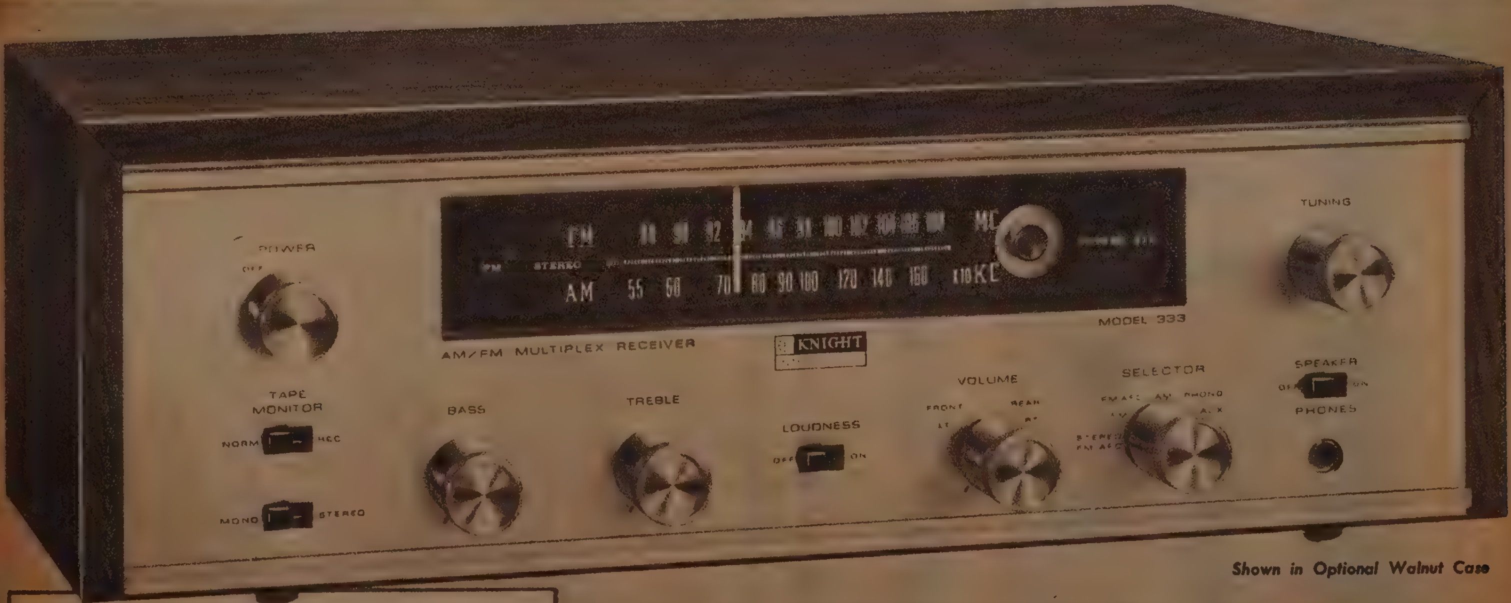


Our finest stereo multiplex FM-AM tuner is a perfect matching component for use with our deluxe KN-999A amplifier. It represents the "best" in tuner performance. See page 113 for a complete description of the KN-265A Solid-State Tuner.

KNIGHT INTERNATIONAL

New Special-Value Stereo Multiplex FM-AM Receiver

KNI-333 ALL-IN-ONE STEREO TUNER AND 32-WATT AMPLIFIER, WITH CASE

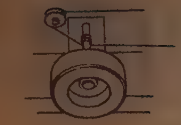


FM
STEREO
AM
MC
KC
MODEL 333
AM/FM MULTIPLEX RECEIVER
KNIGHT
POWER
OFF
TAPE MONITOR
NORM
REC
MONO
STEREO
BASS
TREBLE
LOUDNESS
OFF
ON
VOLUME
FRONT
REAR
SELECTOR
FM AFC
AM
PHONO
AUX
STEREO FM AFC
TUNING
SPEAKER
PHONES

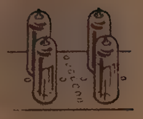
Shown in Optional Walnut Case

KNI-333 Stereo Receiver **$149 95** with metal case **$8 monthly**

Our lowest price ever for a factory-assembled Stereo Multiplex FM-AM Receiver boasting a powerful 32-watt amplifier, including metal case

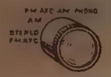


Velvet-Smooth-Action Flywheel Tuning Knob



Four Heavy-Duty 6BM8 Tubes In Twin Push-Pull Outputs

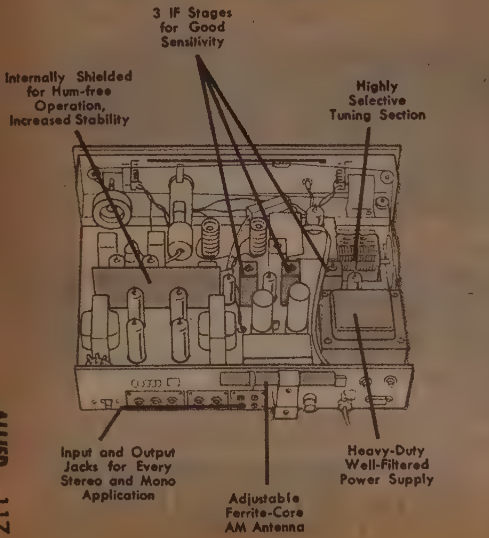
Tuning "Eye" Offers Pin-Point Tuning Accuracy



AFC On-Off Switch Locks in Stations for Drift-Free FM

FM Stereo Light Shows when Stereo Broadcast is On

LOOK AT THE INSIDE STORY


3 IF Stages for Good Sensitivity
Internally Shielded for Hum-free Operation, Increased Stability
Highly Selective Tuning Section
Input and Output Jacks for Every Stereo and Mono Application
Adjustable Ferrite-Core AM Antenna
Heavy-Duty Well-Filtered Power Supply

With Metal Case

$149⁹⁵

$8 monthly

- Brings You Deluxe Features and Striking Stereo Performance Formerly Found Only in Receivers Costing Much More
- Offers Big 64 Watts of Peak Stereo Power, 32 Watts IHF
- Thrilling Wide-Range Response for Pleasurable Listening
- Full Array of Controls and Inputs for "Complete Command"
- Speaker "Off" and Private-Listening Stereo Headphone Jack
- Tape Recorder Inputs and Outputs with Monitoring Switch

Knight Lowest Cost 32-Watt Stereo Multiplex FM-AM Receiver

Wish you could get a really modest-cost receiver that will let you into the wonderful world of stereo? Knight's new KNI-333 is what you've been looking for! Specially engineered to conform to our rigid standards for Knight products, this Knight-International component is guaranteed to be as reliable as the rest of the family of Allied's exclusive renowned Knight components.

Never before has so little bought you so much hi-fi value. Receiver boasts a powerful 32-watt stereo amplifier with stereo preamplifier and complete array of controls, plus a tuner that has separate sections for FM Multiplex reception, monophonic FM and standard AM broadcasts. Entire receiver is housed in a serviceable metal case. Factory-assembled and ready to use.

The KNI-333 is a fine high-fidelity instrument with every essential facility including an automatic stereo indicator light, AFC, "Magic-Eye" tuning, and the latest multiplex circuitry. Everything to ensure your listening enjoyment.

Stereo Light shows when FM stations are transmitting stereo, you'll never dial past a "stereocast." Stable time-switching multiplex circuit provides true-to-life FM stereo with good channel separation. Magic-Eye Indicator pinpoints stations for best tuning of stereo FM, FM or AM. And AFC *keeps* you there—never any drift.

Controls include: Power On-Off; separate Bass and Treble; Loudness that provides full-range sound even at low listening level settings; concentric dual Volume-Balance for each channel. For tape recording fans, there are high-impedance outputs for direct recording; even tape recorder monitoring.

Good-looking extruded front panel in Sierra Gold. 5⅜x15¹³⁄₁₆x13⁹⁄₁₆". With built-in AM antenna; indoor FM antenna; metal case (slips into optional walnut case, below, for custom installation). For 110-127 v., 60 cycle AC. Manufactured in Japan to Allied's specifications. Shpg. wt., 28 lbs.

95 U 073 MU. *$8 Monthly*. **149.95**

95 U 075 MX. Walnut Case. 5 lbs. **14.95**

KNI-333 SPECIFICATIONS

FM SECTION

Tuning Range: 88-108 megacycles.
Rated Sensitivity: 2.5 μv for 20 db quieting.
Image Rejection: better than 30 db.

FM MULTIPLEX SECTION

Circuitry: time-switching type; Stereo Indicator.
Channel Separation: 30 db.

AM SECTION

Tuning Range: 535-1605 kilocycles.
Sensitivity: 10 μv for 20 db signal-to-noise ratio.
Image Rejection: better than 40 db.

AMPLIFIER SECTION

Rated Power Output: 64 watts peak; 32 watts IHF, 16 per channel. 12 watts per channel rms.
Frequency Response: ±2 db, 20-30,000 cps.
Harmonic Distortion: less than 1% at rated output.
Hum/Noise: −55 db, Mag. Phono; −70 db, Aux.
Inputs: Magnetic Phono; Ceramic or Low-Level Auxiliary; High-Level Aux.; Tape Recorder.
Outputs: 8 or 16 ohms per channel; Stereo Headphone jack; Recorder; Tape-Source Monitoring.

Overall: 13 tubes, plus tuning eye; 2 silicon rectifiers; 8 diodes. Power consumption, 115 watts.

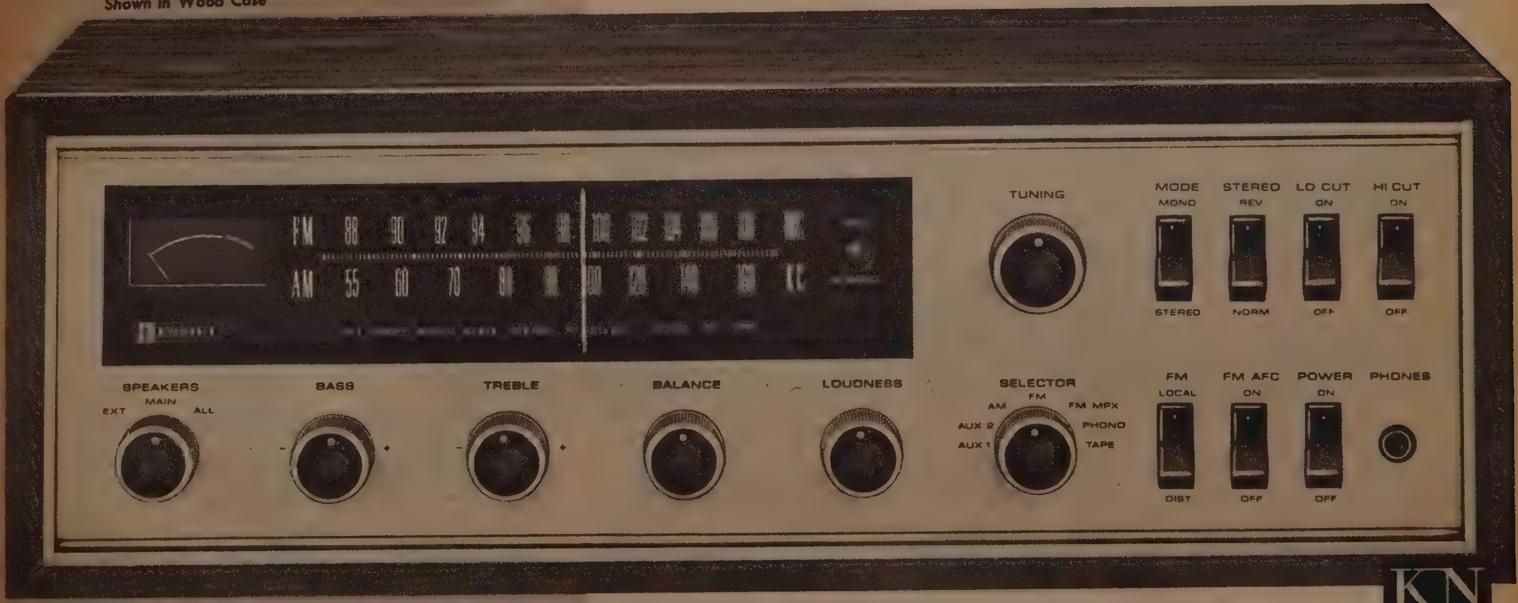
KNIGHT

STEREO HIGH-FIDELITY

New! All Solid-State 70-Watt Stereo FM-AM Receiver

OUR BEST RECEIVER BRINGS YOU THE FINEST IN MUSICAL ENJOYMENT . . .
ELEGANT STYLING . . . UNCOMPROMISING QUALITY . . . TOP DOLLAR VALUE

Shown in Wood Case


FM 88 90 92 94
AM 55 60 70
TUNING
MODE MONO STEREO
STEREO REV NORM
LO CUT ON OFF
HI CUT ON OFF
SPEAKERS EXT MAIN ALL
BASS - +
TREBLE - +
BALANCE
LOUDNESS
SELECTOR AM FM FM MPX AUX 2 PHONO AUX 1 TAPE
FM LOCAL DIST
FM AFC ON OFF
POWER ON OFF
PHONES

KN 376

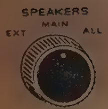
All Solid-State

$269^95 less case

$14 monthly

70 WATTS plus STEREO FM-AM

KN-376 Includes: *Magnificent 70-Watt (140-Watt Peak) Stereo Amplifier; Dual Preamps with Controls for All Music Sources; Sparkling FM Stereo; Wideband Conventional FM; Sensitive AM*



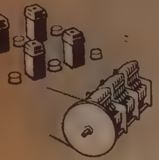
Advanced Speaker Switching Circuit Gives Proper Impedance Match to All Speakers in the System

Accurate and Illuminated D'Arsonval Signal-Strength Meter Makes Tuning Quick and Easy on Both FM and AM

Massive Semiconductor Temperature Stabilizers for Minimum Temperature Rise, Top Operating Efficiency

Finest Solid-State Design Utilizes a Total of 44 Semiconductors from Leading Domestic Manufacturers

FM Tuner Automatically Switches to Stereo When Multiplex Program Is Received and Light Flashes "On"



FM Has 4 IF/Limiter Stages to Suppress AM Interference and Provide Excellent Selectivity . . . Both FM and AM Use 3-Gang Condensers and Tuned RF Stages for Highest Gain

ONE YEAR WARRANTY

KN Hi-Fi products are warranted free from defects in workmanship under normal use for 1 year. During the first 90 days, we will repair, replace and install any defective part free of charge. After 90 days, we will replace any defective part charging only for labor.

DELUXE, ALL-IN-ONE STEREO MULTIPLEX FM-AM TUNER/AMPLIFIER

$269^95 less case

$14 monthly

- FM Section Automatically Switches to Stereo Mode When FM "Stereocast" Begins
- Mighty 140-Watt Peak Output Drives Any Speaker to Maximum Level
- Front-Panel Stereo Headphone Jack for Private Listening—Silences Speakers
- Circuitry Employs Finest Domestic Semiconductors; Automatic Circuit Breakers
- Eye-Appealing Platinum-Gold Panel; Attractive, Functional Rocker Switches

Our finest receiver—a masterpiece of solid-state engineering! Designed in the Knight tradition of craftsmanship and dependability at modest cost, the KN-376 brings you flawless listening pleasure from every music source as well as styling of lasting beauty. Combines on a single chassis: individual FM and AM tuning sections, with advanced multiplex circuitry that automatically switches to stereo; dual preamps with a full set of controls and inputs for records, tapes and other sources; plus a mighty 70-watt amplifier for truly outstanding sound.

FM tuning section features advanced multiplex circuitry that automatically switches to stereo mode and triggers a front-panel indicator light whenever an FM "stereocast" is received, then returns to monophonic conventional operation when "stereocast" ends. Tuned RF amplifier provides high sensitivity for best stereo effect. 4 IF/limiter stages for distortion-free sound. Automatic frequency control eliminates annoying drift; local-distant switch for optimum gain; tuning meter exactly indicates proper station tuning.

Sensitive wideband AM section features tuned RF stage and high-gain IF amplifiers for plenty of pull-in power in selecting local or distant stations. Tuning meter also functions in AM position.

Preamp sections provide precise RIAA equalization for magnetic cartridges, plus NAB equalization for tape. Inputs for ceramic, crystal phono and auxiliary sources, too. Individual bass and treble controls adjust both channels simultaneously; loudness control for tonal balance at any audio level; low-frequency filter eliminates turntable noises; balance control for best stereo.

Also: oversize tuning knob with weighted flywheel for effortless station selection; husky, well-filtered power supply; automatic thermal self-resetting circuit breakers; polarized speaker plugs for positive connections; military-type wiring layout; an AC outlet for record changer. Has built-in FM and AM ferrite-rod antennas, plus provision for external FM and AM antennas. Size, 5x16¾x13". Platinum-gold panel has matching knobs with black inserts. Less case, below. For 110-125 v., 60 cycle AC. Made in U.S.A. Shpg. wt., 19 lbs.

95 U 095 MU. *$14 Monthly*. **269.95**
95 U 096 MX. Oiled Walnut Case. 5½ lbs. **22.75**
95 U 094 MX. Brown Metal Case. 5 lbs. **9.95**

KN-376 RECEIVER SPECIFICATIONS

AMPLIFIER SECTION

Rated Power Output: 70 watts IHF; 35 watts per channel; 140 watts peak; 20 watts per channel continuous sine wave power.
Frequency Response: 20 to 20,000 cycles per second at rated power output.
Harmonic Distortion: at full power, 1%; at 1 watt power level, 0.25%.
Intermodulation Distortion: less than 1% at normal listening level.
Power Bandwidth: ±½ db, 30 to 20,000 cps.
Input Sensitivity: Magnetic Phono, 4 mv; Tape Head, 4.5 mv; Auxiliary 2, .5 v., Auxiliary 1, 1 volt.
Hum and Noise: −75 db on Aux., Tuner; −60 db on Phono, Tape Head.
Output Impedance: 4, 8, or 16 ohms; lo-Z headphone jack matches 4 to 25 ohm headsets.

TUNER SECTION

Usable IHF FM Sensitivity: 3 μv (2 μv for 30 db quieting).
IF Bandwidth: 300 kc.
FM Distortion: 0.5% at 100% modulation.
Capture Ratio: 3 db.
AM Suppression: 48 db.
Stereo Separation: 30 db.
AM Sensitivity: 5 μv for 20 db S/N.

KNIGHT

RECORD CHANGER

KNIGHT
KN 990A

Base Extra at $3.95

KN 990A

KN-990A 4-Speed Record Changer

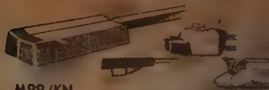
Changer and Cartridge	Changer Alone
$47^{96}	$47^{95}
$5 monthly	$5 monthly

Low Rumble and Wow Meet or Exceed the Specifications of Record Changers Selling for Much More

Our KN-990A, the most popular American-made hi-fi changer, combines automatic convenience with turntable precision. High-torque, 4-pole motor drives big 11″ table at exact speeds of 16⅔, 33⅓, 45 and 78 rpm. Lightweight, professional-type tubular pickup arm tracks with unerring accuracy. Has an integral needle-pressure and balance gauge calibrated from 0-5 grams. Mixes all-size records of the same speed, and shuts off automatically after last record plays. Soft-rubber mat protects records. Boasts lever-action disengagement of mechanism for true manual playing. Low silhouette styling. Gray, trimmed in brushed-chrome. Only 14x12″. Requires 3½″ below, 5″ above, mounting board. With template and cables. Less base, below. For 110-120 v., 60 cycle AC. Shpg. wt., 12 lbs.

20 U 100 ACMX. KN-990A and Choice of Cartridge—Specify **47.96**
20 U 101 AMX. KN-990A and Shure M99/KN Floating-Head Cartridge **57.95**
20 U 102 AMX. KN-990A and Empire 888PE Elliptical Cartridge **57.95**
20 U 103 AMX. KN-990A and Pickering V-15/AME-1 Elliptical Cartridge **57.95**
95 U 458 MX. KN-990A Record Changer Alone **47.95**

BONUS OFFER



M99/KN

880PE, V-15/AME-

Get Elliptical-Stylus or "Floating Head" Cartridge for Only $10 More

Buy KN-990A, get Shure M99/K record-protecting *Floating Hea* cartridge for only $10 more. C choose Empire 880PE or Pickerin V-15/AME-1 *elliptical* units f extra-high fidelit

Choose from Four Stereo Cartridges only 1¢ more

Empire 888
Shure M44C
Pickering V15AT-2
Electro-Voic 149D Ceram

THE KN-990A CHANGER BOASTS DELUXE FEATURI

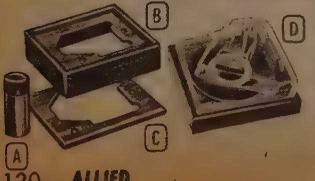
High-Torque Constant-Speed 4-Pole Motor

Mechanism Disengages f Manual Pla

Arm Has Adjustable Needle Pressure

Plug-In He Accepts M Cartridge

Convenient Accessories for the KN-990A Record Changer



A 45-RPM SPINDLE. For *automatically* playing 45-rpm records. 10 oz.
95 U 462 M **1.69**

B WOOD CHANGER BASE. Handsome walnut finish. 3 lbs.
95 U 457 MX **3.95**

C MOUNTING BOARD. Ready for fini ing. Shpg. wt., 2 lbs.
95 U 470 MX **1**

D CUSTOM MOLDED DUST COV Transparent. Protects changer.
95 U 469 MX. 1½ lbs. **4**

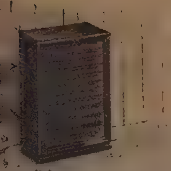
r Finest Speaker System!

15" WOOFER

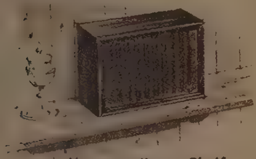
NEW

KNIGHT

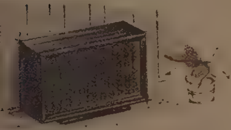
SPEAKER SYSTEMS



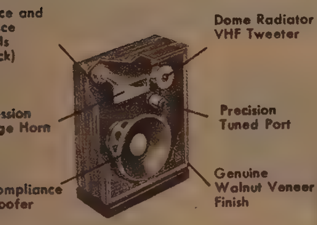
Vertically on Base . . .



Horizontally on Shelf . .



rizontally (Low Boy) on Base



KN
2380

Deluxe 15" 3-Way Floor or Shelf System

$149.95 With Base

$8 monthly

- **Without Qualification, the KN-2380 is the Finest Looking, Best Performing System Knight Has Offered**
- **Defies "Side-by-Side" Comparison with Systems That Do Not Include a Base, Yet Cost Far More!**
- **You'll Marvel at the Equal Clarity of Lows and Highs**

Knight's finest speaker system ever! It's our only system with a giant *15-inch* woofer. The ultimate performer, suitable for use with the very best hi-fi components. No need to "work up to" an expensive 15" system, this one is yours at an unbelievable low price for such a quality 3-way 15" system. Distinctive appearance and fabulous tonal purity are made possible by a well-known audio authority who specified a design which was precisely followed. The sculptured solid-walnut moldings, the flush/grooved 3¼" base, the rich accenting grille, the fine furniture veneers —all these features put the KN-2380 in a class by itself. Only precision speakers are used. Smooth-sounding midrange and tweeter top off the giant, high-compliance woofer that produces bass so powerful, so pure, that it will excite even the experienced hi-fi listener. Covers lowest bass frequencies up to the highest treble you can hear, and beyond. ¾" hardwood with oiled walnut veneer on 4 sides. With satin-black base, 30¼x20½x14". Made in U.S.A. Shpg. wt., 55 lbs. Shipped express.

97 U 514 MZ. *$8 Monthly*.......................................**149.95**

SPECIFICATIONS

ll Frequency Response: 20 cps to well
d the audio spectrum.

er: 15" high-compliance type with
-roll suspension. 1¾ pound ceramic
et. Voice-coil excursions of up to
Flux density, 6975 gauss. Voice
1½". Resonance, 16 cps. Response,
20 cps up to 2000 cps.

nge: die-cast compression horn. 2.5-
eramic magnet. Flux, 8100 gauss.
coil, 1". 2000-10,000 cps.

ter: dome radiator. 2.5-ounce ceramic
et. Voice coil, 1". Flux, 12,200 gauss.
0 cps to beyond audio spectrum.

overs: 2000 and 10,000 cps. Level
ols for midrange and tweeter.

city: 50 watts (for stereo amplifiers
to 80 watts, peak, per channel).

dance: 8 ohms.

This Speaker System Now, Use Your Allied Credit Fund

KNIGHT
SPEAKER SYSTEMS

Our Best 12" Shelf-Size System Features Acoustic Suspension

12" HIGH-COMPLIANCE WOOFER REPRODUCES RICH BASS, FREE OF HARMONIC DISTORTION DOWN TO 20 CPS . . MIDRANGE AND TREBLE COMPRESSION SPEAKERS EXTEND RESPONSE BEYOND AUDIO SPECTRUM

NEW

KN
2350A

3-Way Acoustic-Suspension 12" System

$99.95
$5 monthly

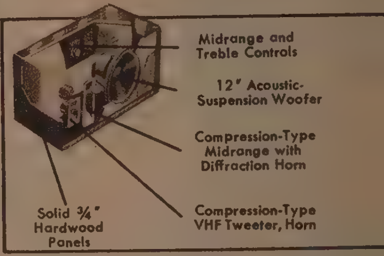
- Only Knight Offers a Professionl-Quality Speaker System at This Low Price.
- New Wide-Dispersion Midrange and Tweeter Horns
- 2 Level Controls
- Glass Wool Filled

New and better-performing version of last year's famous KN-2350. Deluxe speaker system boasts acoustic suspension for powerful bass all the way down to 20 cps. Brings new excitement to music as you hear the full orchestral range. Heart of the system is the 12" high-compliance woofer, with a suspension system free of distortion-causing mechanical "springs." Woofer has special high-compliance cloth-surround, and the enclosure's sealed-in air acts as a spring-suspension element. You get extended bass response, and harmonic distortion is practically non-existent. Faithful transient response is assured by critical magnetic damping and heavy magnet structure.

The redesigned midrange speaker consists of a compression driver with ceramic magnet, and wide-dispersion Cycolac diffraction horn for clear sound. Tweeter is compression-type VHF with rectangular diffraction horn. Its response extends beyond the audio range. Separate midrange and treble level controls.

The enclosure is 100% filled with glass wool to prevent resonance. The solid ¾"-hardwood panels of the enclosure boast solid-walnut sculptured molding. Excellent for floor as well as shelf use. Finished in handsome oiled walnut veneer. Matching contemporary brown tweed grille cloth. Size, 14x25x13½" deep. Made in U.S.A. Shpg. wt., 49¼ lbs.

97 U 560 MU. *$5 Monthly*.............................**99.95**


Midrange and Treble Controls
12" Acoustic-Suspension Woofer
Compression-Type Midrange with Diffraction Horn
Solid ¾" Hardwood Panels
Compression-Type VHF Tweeter, Horn

SPECIFICATIONS

Response: 20 cps to beyond audio range.
Woofer: 12" acoustic-suspension, high co
pliance. 1¾-lb. magnet. Flux, 11,500 gau
2" voice coil. Response, 20-1000 cps.
Midrange: Compression type with diffracti
horn. Flux, 16,600 gauss. 1" voice c
Response, 1000-5000 cps.
Tweeter: Compression type with diffracti
horn. 4-oz. Alnico V magnet. 1" voice c
Response to beyond audio range.
Crossovers: 1000 and 5000 cps.
Power Capacity: 35 watts; usable with ste
amplifiers of up to 70 watts, peak, per ch
nel. Requires 14 watts IHF, minimum.
Impedance: 8 ohms.

amous KN-2300A Acoustic Suspension System Now in Low-Cost Kit Form

KNIGHT
SPEAKER SYSTEMS

NEW KN-2300AK ACOUSTIC-SUSPENSION SPEAKER SYSTEM IN MONEY-SAVING KIT FORM . . . BOASTS 12″ HIGH-COMPLIANCE WOOFER US TWO COMPRESSION SPEAKERS . . . SAME SUPERB SPECS AS ASSEMBLED MODEL

NEW

KN
2300AK

-Way Acoustic-Suspension 12″ System

Form | **Assembled**
9⁹⁵ | **$79⁹⁵**
monthly | $5 monthly

- Amazing Bass Realism
- Midrange Diffraction Horn
- Ring-Radiator Tweeter
- Precision Components for Extra-Smooth Response

tic suspension now in kit form—save $10.00 by doing the ssembly yourself. 12″ woofer has high-compliance cloth-nd for large voice-coil excursions without noticeable nic distortion. Thrilling bass down to 25 cps! Enclosure's -in air eliminates distortion-causing mechanical "springs." es high power, yet performs well with only 10-watt IHF from amplifier.

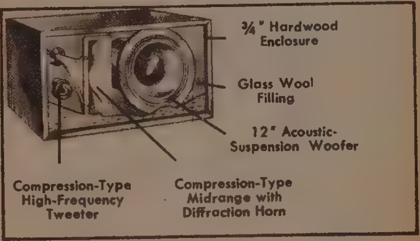
nge speaker combines high-flux-density magnet, aluminum coil and ring diaphragm for wider and cleaner response. ression ring-radiator tweeter has excellent dispersion and se to over 20,000 cps. Ring diaphragm helps prevent dia-m breakup distortion. Level control adjusts frequencies 1000 cps; instead of rolling off higher frequencies, offers ffect cut as in professional equipment.

¾″-hardwood panels. System assembles with a screwdriver. to finish. Just rub in oil, supplied, for handsome oiled walnut r. Gray nubby grille cloth. For shelf or floor. 14x25x13½″ Made in U.S.A. Shpg. wt., 46 lbs.

505 MU. *$5 Monthly*.................................**69.95**

BLED KN-2300A. Same as KN-2300AK, but factory assembled nished. Oiled walnut veneer. Made in U.S.A. 46 lbs.

03 MU. *$5 Monthly*.................................**79.95**


¾″ Hardwood Enclosure
Glass Wool Filling
12″ Acoustic-Suspension Woofer
Compression-Type High-Frequency Tweeter
Compression-Type Midrange with Diffraction Horn

SPECIFICATIONS

Response: 25 cps to over 20,000 cps.

Woofer: 12″ acoustic-suspension high compliance. 1½-lb. ceramic magnet. Flux, 12,000 gauss. 2″ voice coil. 25-1000 cps.

Midrange: Compression driver with wide-dispersion Cycolac diffraction horn. 1.47-oz. Alnico V magnet. Flux, 7000 gauss. 1″ voice coil. Response, 1000-5000 cps.

Tweeter: Compression type, ring-radiator. 1.47 oz. Alnico V magnet. 1″ voice coil. Response, beyond 20,000 cps.

Crossovers: 1000 and 5000 cps.

Capacity: 30 watts; usable with stereo amplifiers of up to 60 watts, peak, per channel. Requires 10 watts IHF, minimum.

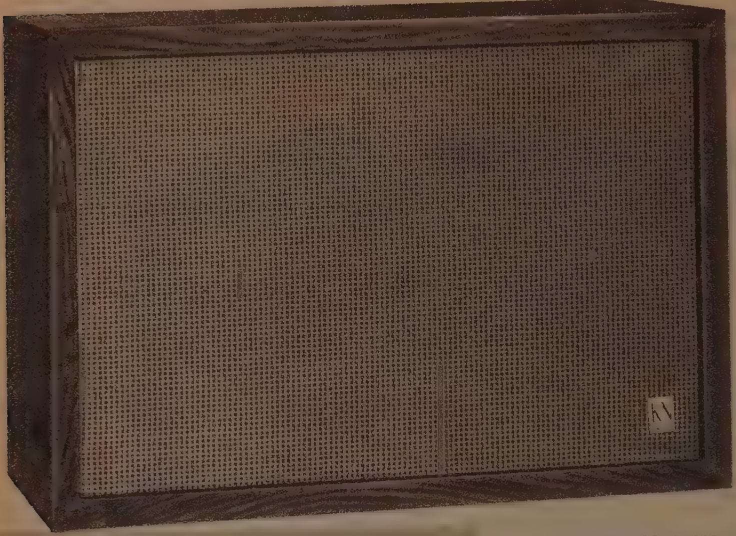
Impedance: 8 ohms.

KNIGHT

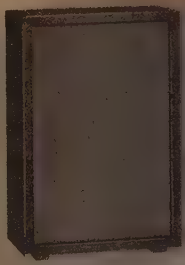
SPEAKER SYSTEMS

Thin-Line Speaker System Ki

ALSO AVAILABLE FINISHED AND ASSEMBLE



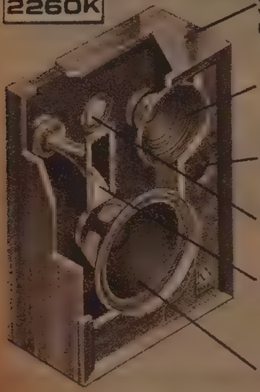
Big 12″ Woofer



Includes Four Rubbe Feet to Place Systen Vertically On the Floo

KN 2260K

Perfectly Matched Components


Genuine Walnut Veneer Cabinet Is Ready to Finish
8″ Closed-Back Midrange Speaker
Precision Tubular Tuned Ducted-Port
High-Frequency Balance Control
Compression-Type Horn Loaded VHF Tweeter
12″ High-Compliance Bass Woofer

KN-2260K SPECIFICATIONS

Frequency Response: 30 to 20,000 cps.

Woofer: 12″ high-compliance type, ¾-lb. ceramic magnet, 1″ voice coil. Covers 30-3000 cps.

Midrange: 8″ enclosed-back cone-type, 10-oz. ceramic magnet, 1″ voice coil. Covers 3000-8000 cps.

Tweeter: compression-type with alloy die-cast horn, 2½-oz. ceramic magnet, 9/16″ voice coil, 140° dispersion. Covers 8000-20,000 cps.

Crossover: electrical at 3000 and 8000 cps.

Capacity: 25 watts; usable with stereo amplifiers of up to 50 watts, peak, per channel.

Impedance: 8 ohms.

Enclosure: tuned, ducted port type.

KN-2260K 3-Way Speaker System Kit

Do-It-Yourself Kit	Assembled-Finishe
$59.95 $5 monthly	**$69.95** $5 monthl

- Sanded and Ready to Finish, Just Apply Oil with a Soft C
- Everything Included—Even Wire, Finishing Oil, Instructions
- Enclosure Has Sturdy ¾″ Wood Paneling With Walnut Ve
- Provides Modern Beauty and Top Sound Reproduction at Low

Get dazzling music reproduction plus graceful, ultra-sler decorator styling with this fabulous speaker system kit. Th perfectly matched speakers give you wide response that's to please. Beautifully styled enclosure fits any room de offers you virtually unlimited placement possibilities.

A 12″ high-compliance woofer has ¾-lb. ceramic magnet 1″ voice coil for smooth bass down to 30 cps. 8″ enclosed-b midrange radiator with 10-oz. ceramic magnet provides pl ing reproduction of important middle frequencies. Compres tweeter has die-cast alloy horn for sparkling treble respo Reflex enclosure utilizes acoustic insulation and precis tuned ducted-port design to prevent annoying resonan Acoustically transparent cane grille cloth assures unrestri passage of high frequencies.

Assembly is accomplished in short order—less than a co of hours. Screw holes are predrilled, speakers are premou on baffle board, grille cloth is attached to front. You me attach wires to screw-type speaker terminals, following easy instructions, then affix the front and back to enclos Finishing is easy because the fine walnut veneer has been sanded and readied. Just apply finishing oil with a soft cl Quickly dries to a handsome, professional finish. With h ware, wire, oil finish, four feet for vertical use, instructi 25x17x8″. Made in U.S.A. 40 lbs.

97 U 555 MU. Kit Form. *$5 Monthly*...................**59**

97 U 556 MU. Assembled and Finished in Oiled Walnut....6

Knight Speaker Systems Are Available Only from Al

Vay Speaker System Kit

RT, EYE-CATCHING SCULPTURED STYLING

KNIGHT

SPEAKER SYSTEMS

NEW

Assemble It in One Hour with a Phillips Screwdriver

Genuine Walnut Veneer Cabinet Is Ready to Finish

Use on Wall, Shelf, or Floor Either Vertically or Horizontally

Big 12″ Woofer

N-2330K 3-Way Speaker System Kit

49⁹⁵

monthly

- Rigid ¾″-Thick Enclosure Construction
- Sanded and Ready to Finish, Just Apply Oil
- Artfully Woven, Matching Cloth Grille
- Cloth-Surround Woofer • Fiberglas Lined

w speaker system kit brings the best hi-fi performance o the moderate-cost field. Even at this bargain price et three separate speakers, including a full-size *12-inch* r, in a deluxe walnut enclosure with sculptured mold- nd custom woven grille cloth. Not just a splendid hi-fi mer, but also a fine furniture-piece for your home. ency response is 30-18,000 cps! You hear everything from owerful bass of the giant pipe organ to the highest over- of the violin. Assembly of this kit so simple you can put it her using only a screwdriver.

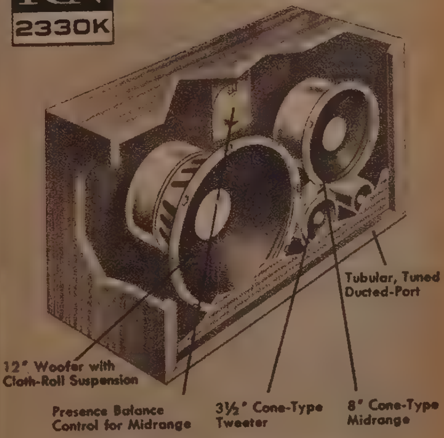
of the three electrically independent, high-fidelity speak- re engineered to handle a particular frequency range etter than any single speaker possibly could. Big 12″ r has special "cloth-roll" suspension to increase cone liance and efficiency . . enables woofer to produce lows to 30 cps with startling clarity and power. Fiberglas tic insulation and ¾″ hardwood panels assure solid, y defined lows without resonance. A quality 8″ midrange er takes over at 2000 cps—a very important sound- ducing element since most orchestral frequencies lie in onal span. Highs up to 18,000 cps are an easy mark for igh-frequency tweeter. Rear-mounted control lets you ad- resence to suit your own preference and room acoustics.

nbly is accomplished in short order—usually in an Screw holes are predrilled, speakers are premounted affle board, grille cloth is attached to front. You merely h wires to screw-type speaker terminals, following the instructions, then affix the front and back to enclosure. fine walnut veneer has been presanded and readied. Apply ing oil with a soft cloth. With hardware, wire, oil finish, uctions. 14½x24x10″. Made in U.S.A. 33 lbs.

509 MU. *$5 Monthly*.................................**49.95**

KN
2330K

Look Inside the KN-2330K


Tubular, Tuned Ducted-Port
12″ Woofer with Cloth-Roll Suspension
Presence Balance Control for Midrange
3½″ Cone-Type Tweeter
8″ Cone-Type Midrange

KN-2330K SPECIFICATIONS

Frequency Response: 30 to 18,000 cps.

Woofer: 12″ type with cloth-roll suspension for higher compliance. 10-oz. Alnico V magnet, 1½″ copper voice coil. Covers 30-2000 cps.

Midrange: 8″ cone-type with 2.15-oz. Alnico V magnet, 1″ voice coil. Covers 2000-5000 cps.

Tweeter: 3½″ cone-type, 1.47 oz. Alnico VIII magnet, $\frac{9}{16}$″ voice coil. Covers 5000-18,000 cps.

Crossover: electrical at 2000 and 5000 cps.

Capacity: 30 watts; usable with stereo amplifiers of up to 60 watts, peak, per channel.

Impedance: 8 ohms.

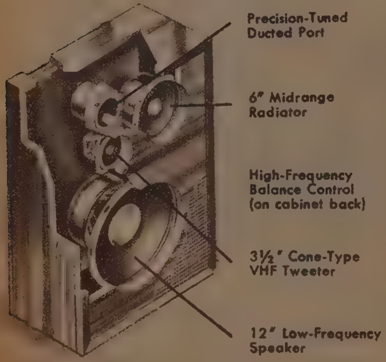
Enclosure: tuned, ducted-port type.

the Speaker System You Want Now, with Your Allied Credit Fund

KNIGHT
SPEAKER SYSTEMS

Assemble Your Own 3-Way 12" Speaker Syste

COMPONENTS AND ENCLOSURE ARE PERFECTLY MATCHED


Precision-Tuned Ducted Port
6" Midrange Radiator
High-Frequency Balance Control (on cabinet back)
3½" Cone-Type VHF Tweeter
12" Low-Frequency Speaker

You can assemble this kit in less than an hour with only a screwdriver!

Screw holes are predrilled. Speakers come mounted on baffle board, grille cloth is attached to the front. Merely attach the wires to the speaker screw-terminals, then fasten front and back to the enclosure. Next apply finishing oil with a soft cloth. Unbelievably simple!

KN-3030K 3-Way 12" Shelf Speaker System

$39⁹⁵

$5 monthly

- Designed for Assembly in Less Than an Ho
- True 3-Way Design with Giant 12" Woo plus Midrange Speaker and Tweeter
- Ready-to-Oil Smoothly Sanded Walnut Ven
- Excellent for Either Shelf or Floor Use

A convincing example of uncompromising Knight craftsman Achieves new goals in neat, space-saving design and outstanding s at a low, low price. You get smart styling plus true high-fidelity r reproduction. Assembly consists of simply mounting the compon connecting a few wires, and rubbing in finishing oil with a soft c

King-size 12" woofer with husky magnet provides powerful ba the way down to 35 cps. The 6" midrange speaker efficiently ha the middle-range frequencies, important for "presence." 3½" tw disperses sparkling high tones over a wide listening area. A rear-mou brilliance control lets you adjust treble response to suit your per liking and the particular listening-room acoustics. Built-in cros network.

Solid ¾" hardwood enclosure boasts acoustic insulation, tuned v port and acoustically transparent cane grille cloth that matches w finish. 14½x24x10". With hardware, wire, finishing oil, instruc Made in U.S.A. Shpg. wt., 30 lbs.

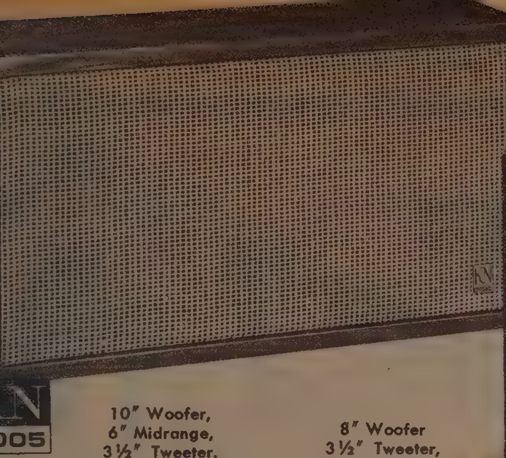
97 U 539 MU. *$5 Monthly* **3**

SPECIFICATIONS

Frequency Response: 35-17,000 cps. **Woofer:** 12" high-compliance with 10-ounce Alnico V magnet, 10,200-gauss flux density, 1¼" coil. Covers 35-400 cps. **Midrange:** 6" cone type with 3.16-ounce A V magnet, 9400-gauss flux density, ¾" voice coil. Covers 400-500 **Tweeter:** 3½" cone-type direct radiator with 1.47-ounce Alni magnet, 8200-gauss flux density, 9/16" voice coil. Covers 5000-17,00 **Crossover Network:** electrical at 400 and 5000 cps. **Power Ca Rating:** 30 watts program (may be used with amplifiers rated up watts peak per channel). **Impedance:** 8 ohms.

KNIGHT

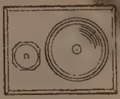
SPEAKER SYSTEMS



10″ Woofer,
6″ Midrange,
3½″ Tweeter,
RC Crossover

Both speaker systems are finished in striking hand-rubbed oiled walnut veneer

8″ Woofer
3½″ Tweeter,
RC Crossover



xtra-Value Assembled Shelf Speaker Systems

KN-3005 3-Way 10″ Shelf System

29^{95}

monthly

- True 3-Way Design with 3 Speakers, Each for a Separate Audio Range
- Only 8″ Deep, for Shelf or Floor
- Perfectly Matched Reproducing Elements
- ¾″ Wood with Oiled Walnut Veneer

best sounding, best looking *factory assembled* 3-way system we've ever seen at this low price! Just right oderately priced music systems or as a deluxe exn speaker. Provides rich, full sound across the orchesange. Separate woofer, midrange and tweeter combine ng you truly pleasurable music. Tweeter is acoustiisolated for complete freedom from distortion caused eaker interaction Solid ¾″ hardwood enclosure, with walnut veneer, has ducted port. Attractive cane grille. inal strip for quick screw-type wire connection. Only x8″. Made in U.S.A. Shpg. wt., 20½ lbs.

537 MU. *$5 Monthly*........................**29.95**

SPECIFICATIONS

nse: 40-16,000 cps. **Woofer:** 10″ with 6.8-oz. Alnico gnet, 1″ voice coil. **Midrange:** 6″ with 3.16-oz. magnet, oice coil. **Tweeter:** 3½″ with 1.47-oz. magnet, 9/16″ coil. **Crossover:** resistor-capacitor at 800 and 5000 cps. **city:** 20 watts (usable with stereo amplifiers up to 40 , peak, per channel). **Impedance:** 8 ohms.

KN-3002 2-Way 8″ Shelf System

$\$19^{95}$

$5 monthly

- Our Lowest Cost 2-Way System Gives Full, Rich Bass plus Good Looks
- Sturdy ¾″ Hardwood Enclosure
- Unusually Compact, Only 15″ Wide
- Handsome Oiled Walnut Veneer Finish

Providing excellent music reproduction at low cost, this shelf-size system features true 2-way design with independent low and high-frequency speakers. Perfect as an extension speaker or in pairs for budget-stretching hi-fi systems. An 8″ woofer produces mellow lows down to 50 cps; direct-radiator VHF tweeter disperses clean highs up to 15,000 cps. You get wide-range reproduction and pleasant listening. Sturdy ¾″ hardwood cabinet is expertly designed and has oiled walnut veneer finish. Matching cane grille cloth. Screw-type wire connection. Only 12⅜x15x9″. Made in U.S.A. Shpg. wt., 16½ lbs.

97 U 535 MX. *$5 Monthly*........................**19.95**

SPECIFICATIONS

Response: 50-15,000 cps. **Woofer:** 8″ with 6-ounce magnet, 1″ voice coil. **Tweeter:** 3½″ with 1.47-ounce Alnico V magnet, and 9/16″ voice coil. **Crossover Network:** resistor-capacitor type; tweeter takes over at 4000 cps. **Power Capacity:** 15 watts (may be used with stereo amplifiers rated up to 30 watts, peak, per channel). **Impedance:** 8 ohms.

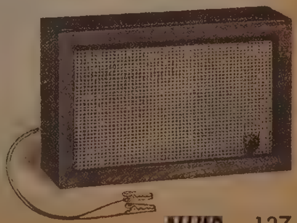
LINCOLN® Model L-101 Extension Speaker System

rthing you need in a high-quality extension speaker for o, radio, or TV set. Use a pair for lowest cost stereo sys- Handsomely styled, modestly priced system features in volume control. 7x5″ oval PM speaker with 9/16″ voice or good response. Genuine walnut veneer with smart cane Includes 25-foot cable with alligator clips attached. 1½x3½″. Impedance, 8 ohms. 3¾ lbs.

533 MX. Made in U.S.A.........................Each **9.95**

Buy Two For Stereo

$\$9^{95}$ Each



the Speaker System You Want Now with Your Credit Fund

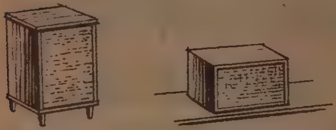
Our Finest 12″ and 15″.

SUPERB PERFORMANCE AT MODERATE COS

Knight Speakers Give More for Your Money

Everything about these speakers, from their exceptional specs, construction and performance, to their lustrous finish, spells "superiority." And the surprisingly low price tags they carry lend force to that superiority. In every way, Knight's 612HC and 615HC speakers are unbeatable bargains!

RECOMMENDED ENCLOSURES



The Knight 612HC and 615HC work very well in any speaker enclosure. But for the ultimate in hi-fi sound, we especially recommend our Knight speaker enclosures, described on pages 131 and 136, featuring tasteful styling plus acoustic excellence.

KN-612HC, Deluxe 3-Way 12″ Speaker

59^{95}

$5 monthly

KN-615HC, Deluxe 3-Way 15″ Speaker

69^{95}

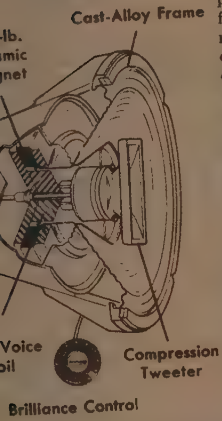
$5 monthly

eakers Featuring True 3-Way Design

A KN-612HC Deluxe 3-Way..Our Best 12″ Speaker

$59⁹⁵

$5 monthly



In its price range the KN-612HC is king of 12″ speakers. Delivers surprisingly powerful and natural bass response, crisp, clear midrange, and brilliant highs. The evidence is conclusive: you just can't do better for the money. Enclosure size, and type of loading are not critical for this deluxe 3-way speaker. Super-efficient 4½-lb. ceramic magnet, and 12″ high compliance woofer, with unusually low resonance frequency, team up to provide outstanding bass response in any enclosure.

Midrange radax cone, with mechanical crossover at 2000 cps, lends exceptional presence for dramatic "you-are-there" realism. Electrical crossover channels frequencies above 3500 cps to the compression-type VHF tweeter. The tweeter's rectangular diffraction horn ensures distribution of crystal-clear high-frequencies over a wide area. Precision, edgewise-wound copper-ribbon voice coil and all other moving elements are maintained in precise alignment by the speaker's extra-rigid cast-alloy frame.

Calibrated brilliance control on a 36″ cable, makes it easy to adjust treble response to room acoustical requirements, and to your personal preference. Convenient screw-type binding post terminals for quick connection to any amplifier. Speaker depth is 7½″. Made in U.S.A. Shpg. wt., 30 lbs.

97 U 501 MU. *$5 Monthly*..**59.95**

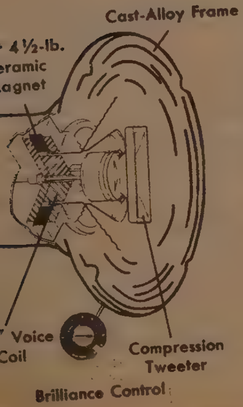
KN-612HC SPECIFICATIONS

Free-Air Resonance Frequency: 40 cps. **Frequency Response:** 30 to 20,000 cps. **Crossover Frequencies:** Mechanical at 2000 cps; Electrical at 3500 cps. **Power Capacity:** 35 watts (can be used with stereo amplifiers with output of up to 70 watts per channel). **Magnet Weights:** Woofer, 4½ lbs.; Tweeter, 6.8 oz. **Magnet Material:** Ring-type ceramic. **Flux Density:** 14,200 gauss. **Voice Coils (Edgewound):** Woofer, 2½″ copper-ribbon; Tweeter, 1″ aluminum-ribbon. **Rated EIA Sensitivity:** 53 db. **Nominal Impedance:** 16 ohms. **Speaker Mounting Depth:** 7½″. **Weight:** (actual) 27 lbs.

B KN-615HC Deluxe 3-Way..Our Finest 15″ Speaker

$69⁹⁵

$5 monthly



The finest hi-fi speaker offered by Knight. With it, you get unparalleled low-frequency reproduction, stunning in its dramatic impact. You also enjoy an extremely clean midrange, and a thrilling high-frequency response with bell-like clarity. No other speaker at this price comes even close to matching the magnificent audio quality of the KN-615HC.

The giant 15″ high-compliance woofer provides deep, natural bass down to an amazing 20 cps. The radax midrange cone, with mechanical crossover at 2000 cps, imparts added presence to the middle frequencies for such exciting realism, you'll think you've been transported to the music hall. Built-in electrical crossover directs frequencies above 3500 cps to the compression-type VHF tweeter, with a rectangular diffraction horn, that ensures an extremely wide dispersion of brilliantly defined high notes.

Super-powerful magnet ensures high power-handling capacity and excellent damping. Precision copper-ribbon voice coil and all other moving elements are kept in precise alignment by the extra-rigid cast-alloy frame. Calibrated brilliance control permits adjustment of high-frequency response to suit room acoustics and your listening preference. Has convenient screw-type binding-post terminals to make connection to your amplifier fast and easy. Diameter: 15⅛″. Overall depth: 8¼″. Made in U.S.A. Shpg. wt., 31¼ lbs.

97 U 502 MU. *$5 Monthly*..**69.95**

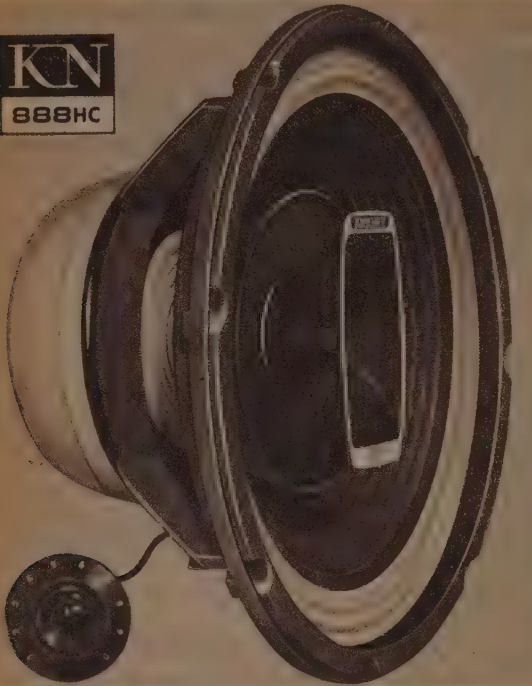
KN-615HC SPECIFICATIONS

Free-Air Resonance Frequency: 25 cps. **Frequency Response:** 20 to 20,000 cps. **Crossover Frequencies:** Mechanical at 2000 cps; Electrical at 3500 cps. **Power Capacity:** 50 watts (can be used with stereo amplifiers with output of up to 80 watts per channel). **Magnet Weights:** Woofer, over 4½ lbs.; Tweeter, 6.8 oz. **Magnet Material:** Ring-type ceramic. **Flux Density:** 14,500 gauss. **Voice Coils (Edgewound):** Woofer, 2½″ copper-ribbon; Tweeter, 1″ aluminum-ribbon. **Rated EIA Sensitivity:** 53 db. **Nominal Impedance:** 16 ohms. **Speaker Mounting Depth:** 8¼″. **Weight:** (actual) 28 lbs.

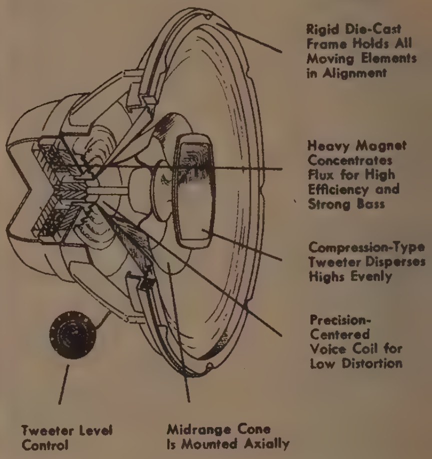
Deluxe 12" 3-Way Speaker

DELIVERS AMAZINGLY CLEAN SOUND

KN
888HC



Check the Precision Construction and Superior Components of this Speaker


Rigid Die-Cast Frame Holds All Moving Elements in Alignment
Heavy Magnet Concentrates Flux for High Efficiency and Strong Bass
Compression-Type Tweeter Disperses Highs Evenly
Precision-Centered Voice Coil for Low Distortion
Tweeter Level Control
Midrange Cone Is Mounted Axially

Famous Model KN-888HC 12" 3-Way Hi-Fi Speaker

With Level Control **$34.95** $5 monthly

- Boasts Outstanding Bass Response • Free-Air Resonance Is 25 cps
- Excellent in Any Enclosure • Response from 25 to 19,000 cps
- Powerful 1¾-lb. Ceramic Magnet • Built-In Crossovers

A marvelous value at this low price, the KN-888HC delivers exceptionally clean and natural sound over a wide frequency range. Big 12" woofer has high-compliance cone and precisely centered 1½" voice coil that combine to provide superb bass. Axially mounted radiator cone ensures a very smooth midrange. Both are driven by a ring-type ceramic magnet. Compression-type tweeter with diffraction horn, disperses sparkling, crystal-clear highs over a wide area . . has heavy Alnico V magnet. Mechanical crossover separates bass and midrange units at 2000 cps, electrical crossover channels highs above 4000 cps to tweeter. Has calibrated brilliance control on cable to adjust highs to room acoustics. Massive cast-alloy frame holds moving elements in precise alignment. Binding post terminals. Made in U.S.A. Shpg. wt., 11½ lbs.

97 U 553 MX. *$5 Monthly*.......................................**34.95**

SPECIFICATIONS

Free-Air Resonant Frequency: 25 cp
Overall Frequency Response: 25-19,00
cps. **Crossover Frequencies:** Mechanica
2000 cps; Electrical, 4000 cps. **Pow**
Capacity: 25 watts (usable with stere
amplifiers rated to 50 watts, peak, pe
channel). **Magnet Weight:** Woofer, 1
lbs.; Tweeter, 4.65 oz. **Flux Densit**
Woofer, 12,650 gauss; Tweeter, 13,50
gauss. **Voice Coil:** Woofer, 1½"; Tweete
1". **Rated EIA Sensitivity:** 53 db. **Rated Ir**
pedance: 8 ohms. **Mounting Depth:** 6⅜

KN
1286

$24.95
$5 monthly

Knight KN-1286 Vented-Port Enclosure

For any 12" speaker, including two and three-way ty
Offers deluxe construction details, space-saving size,
smart appearance. Heavy ¾" wood paneling, vented-
acoustical design and fiberglas lining team up to give
deeper and more powerful bass. All four sides finishe
handsome oiled walnut veneer. Two lug-terminal strip
easy connection to amplifier. 14¾x24x12" deep. Mad
U.S.A. Shpg. wt., 31¾ lbs.

97 U 531 MU. *$5 Monthly*..............................**24**

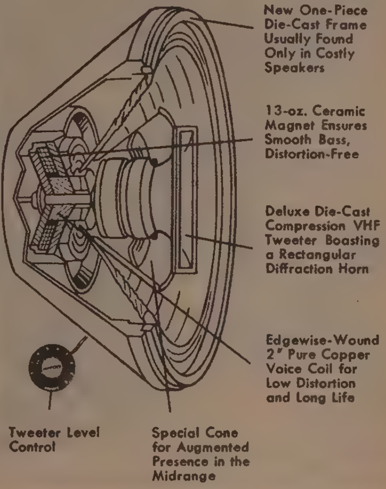
Knight Speakers Are Available Only from Al

g-Value 3-Way 12″ Speaker

V AND IMPROVED, A BETTER BUY THAN EVER

N
OBHC
ew
KNIGHT

You've Never Seen So Many Deluxe Features at So Low a Price


New One-Piece Die-Cast Frame Usually Found Only in Costly Speakers
13-oz. Ceramic Magnet Ensures Smooth Bass, Distortion-Free
Deluxe Die-Cast Compression VHF Tweeter Boasting a Rectangular Diffraction Horn
Edgewise-Wound 2″ Pure Copper Voice Coil for Low Distortion and Long Life
Tweeter Level Control
Special Cone for Augmented Presence in the Midrange

New High-Performance Model KN-830BHC 3-Way Speaker

With Level Control **$22⁵⁰** $5 monthly

- Three Separate Elements Deliver Natural Sound from 25 to 18,000 cps
- All-New Die-Cast Frame Locks Moving Elements in Precise Alignment
- Performs Well in Any Enclosure • Binding Post Terminals

l be amazed at the way this improved 1966 model "breathes life" ecorded music. You won't believe that a speaker capable of such ificent sound reproduction costs so little. Yet Knight audio eering has actually developed the low-cost KN-830BHC to match erformance of many expensively priced speakers.

iece, die-cast frame ensures excellent structural stability by lock-oving elements in precision alignment. Big 12″ woofer boasts a l long-excursion, high-compliance cone with edgewise-wound, -layer copper voice coil for deep, natural bass. Mechanical crossover 00 cps, distributes mid-frequencies to a separate axially-mounted that provides a smooth middle range, free of distortion. Electrical ver at 3500 cps, feeds into a compression-type VHF tweeter lly identical to tweeters in 3-way speakers costing several times Rectangular horn disperses wonderfully clear and defined high Efficient 13-oz. ring-type ceramic magnet provides good damping.

rated tweeter level-control, on 30″ cable, lets you adjust highs to oom acoustics and your listening preferences. Performs at its best y enclosure. Also has convenient binding-post terminals for easy up. Made in U.S.A. Shpg. wt., 10½ lbs.

507 MX. *$5 Monthly*.............................**22.50**

SPECIFICATIONS

Free-Air Resonance Frequency: 30 cps.

Overall Frequency Response: from 25 to 18,000 cps.

Crossover Frequencies: Mechanical, 2000 cps; Electrical, 3500 cps.

Power-Handling Capacity: 20 watts program (usable with stereo amplifiers of up to 40 watts, peak, per channel).

Weight of Magnets: Woofer, 13 ounces; Tweeter, 3.16 ounces.

Magnet Material: Woofer, ring-type ceramic; Tweeter, ceramic.

Flux Density: Woofer, 11,500 gauss; Tweeter, 10,000 gauss.

Voice Coil Diameter: Woofer, 2″; Tweeter, 1″.

Rated EIA Sensitivity: 47.2 db.

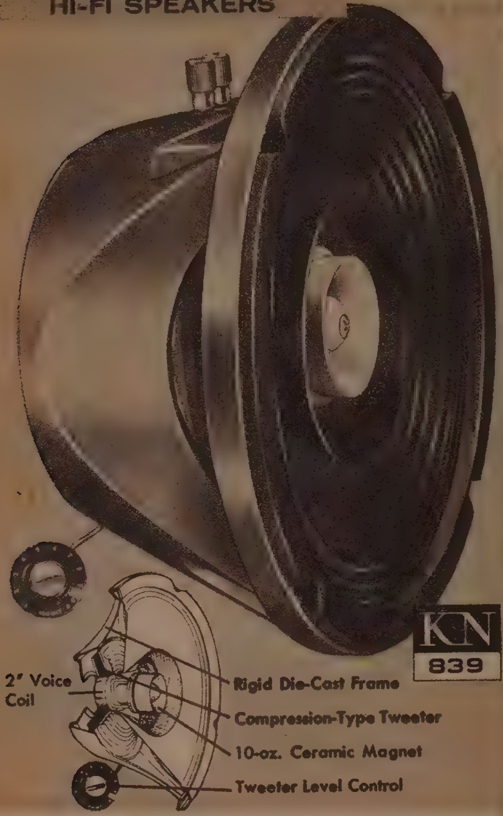
Rated Impedance: 8 ohms.

Mounting Depth: 5¼″.

KNIGHT

HI-FI SPEAKERS

Quality 8" Hi-Fi Speakers



Our Finest 8" Speaker . . 3-Way KN-839

$19.95

- Features Three Separate Elements
- 45-18,000 cps Frequency Response
- Moving Elements Are Held in Precise Alignment by Die-Cast Frame

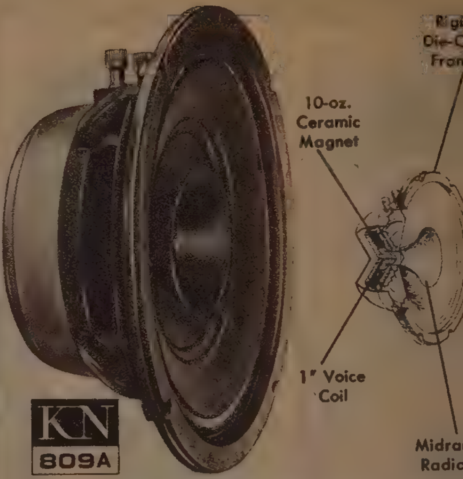
$5 monthly

A real pace setter. Performs on a par with more expensive speakers when compared on a point by point basis. Features: 1) deluxe 3-way design—consists of an 8" woofer with separate mid-range cone, and an electrically and acoustically independent tweeter; 2) level control for adjusting tweeter brilliance to suit your personal taste and room acoustics; 3) wide response—covers frequencies from 45 cps all the way up to 18,000 cps. Woofer highlights a 10-oz. magnet and 2" voice coil for clean sound. Bore-fire compression-type tweeter widely disperses smooth highs without harshness. Made in U.S.A. Shpg. wt., 6¾ lbs.

97 U 500 M. *$5 Monthly*. **19.95**

SPECIFICATIONS

Free-Air Resonance Frequency: 65 cps. **Overall Response:** 45 to 18,000 cps. **Crossover:** Mechanical, 2000 cps; electrical, 3500 cps. **Capacity:** 20 watts (may be used with stereo amplifiers of up to 40 watts, peak, per channel). **Magnets:** Woofer, (Ceramic) 10 oz.; Tweeter, (Alnico V) 1.47 oz. **Voice Coil:** Woofer, 2"; Tweeter, 1". **Flux Density:** 8500 gauss. **EIA Sensitivity:** 45 db. **Rated Impedance:** 8 ohms. **Mounting Depth:** 3⅞".



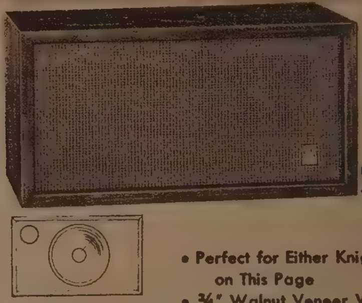
KN-809A Budget-Priced 8" 2-Wa

$8.95

- Powerful Bass Down to 50 cps
- Faithful Wide-Range Response
- Excellent As Extension Speaker

The KN-809A is a genuine hi-fi speaker, deliver
fine sound at surprisingly low cost. Features a m
range radiator for good treble response. Ideal
moderately priced music systems. Also makes an
cellent extension speaker wherever background
music is desired but budgets are restricted. Respo
50-13,000 cps. Capacity: 15 watts (usable with st
amplifiers to 30 watts, peak, per channel). Impeda
8 ohms. Speaker mounting depth: 3⁵⁄₁₆". Made
U.S.A. Shpg. wt., 3¾ lbs.

97 U 550 M. . . . . **8.**



KN
1284

$17

- Perfect for Either Knight Speak
on This Page
- ¾" Walnut Veneer Wood

KN-1284A Enclosure for 8" Speakers

The best buy we've ever offered in a shelf-siz
speaker enclosure. Features a ducted-port desig
provide extended bass response. Can be placed on
or floor, mounted on the wall. Can be used in a h
zontal or vertical position. Constructed of ¾" w
paneling. Handsome oiled walnut veneer with c
plementing beige cane grille. Even has fiberglas ac
tic lining, and terminal strip. Size, 10x20x9". Mad
U.S.A. Shpg. wt., 15½ lbs.

97 U 532 MX. **17**

Knight Hi-Fi Speakers Are Your Best

r Lowest Cost 12″ Speaker

KNIGHT

HI-FI SPEAKERS

322HC 12″ 2-Way Hi-Fi Speaker

95

- Big 12″ High-Compliance Woofer
- Dual Cones for Extended Bass
- Top Performance in Any Enclosure

h low in price, the KN-822HC provides excel- -fi reproduction of the entire audio range. Its roven dual-cone design ensures wide-range uction without shrillness. A high-compliance, ofer delivers solid bass down to 25 cps. Fre- es above 5000 cps are distributed by a me- al crossover to the high-frequency radiator, a cone that efficiently handles the important ge and upper frequencies.

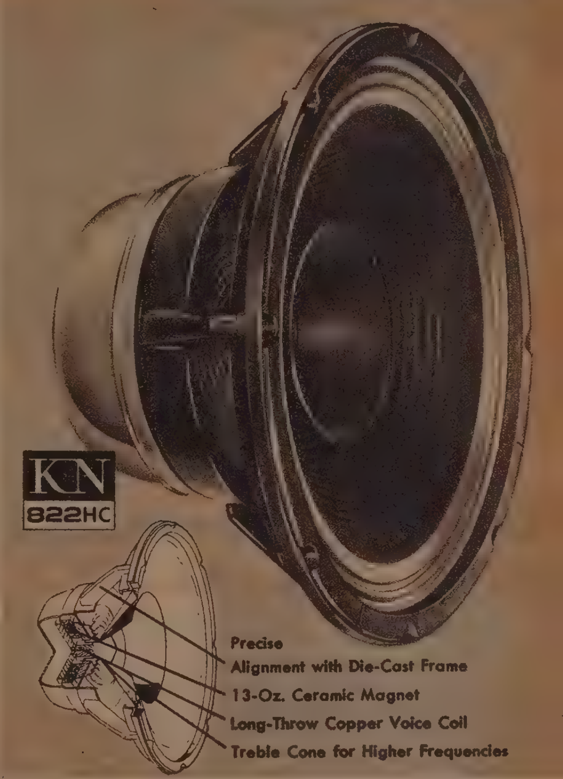
die-cast frame keeps the voice coil and other rom moving out of position and causing dis- . Heavy-duty coil-form is sealed against dust. also prevents shorts and distortion-causing permits permanent centering of all sound- ucing elements. Precision-wound 1¼″ voice highly efficient.

N-822HC's exceptionally low resonant fre- , makes this speaker excellent for any en- , but we especially recommend the new 90K Enclosure Kit, described below. Speaker nvenient binding-post terminals for quick, ess connections. Made in U.S.A. Shpg. wt., s.

51 MX........................**12.95**

SPECIFICATIONS

-Air Resonance Frequency: 30 cps. Overall onse: 25 to 13,000 cps. Crossover Frequency: chanical, 5000 cps. Power Capacity: 20 watts ble with stereo amplifiers of up to 40 watts, x, per channel). Magnet Weight: 13 oz. gnet Material: Ceramic. Flux Density: 11,500 ss. Voice Coil: 1¼″. Rated Impedance: 8 s. Mounting Depth: 6⅜″.


KN
822HC
Precise
Alignment with Die-Cast Frame
13-Oz. Ceramic Magnet
Long-Throw Copper Voice Coil
Treble Cone for Higher Frequencies

EW

KN-1290K Deluxe Speaker Enclosure Kit

$19.95

$5 monthly

- ¾″ Wood with Walnut Veneer, Mitered Corners
- Vented-Port Design
- Fiberglas-Lined Interior

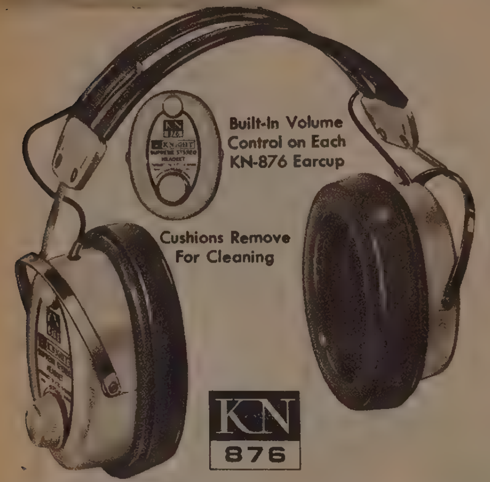
Vented-Port Design for Extended Range and Natural Bass Response

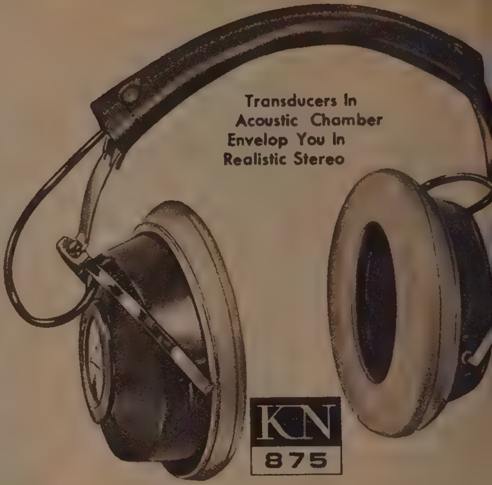
An unusually low price for a speaker enclosure of this quality. Features vented port design for improved bass response. Compact too, and boasts attractive styling to complement home decor. Acoustically engineered to accept 12″ speakers, including most 2 and 3-way types. Has custom-fitted fiberglas acoustic lining, solid ¾″ wood panels, and vented-port cabinet. Expertly crafted mitered corners, and factory-mounted grille cloth. All four sides are in handsome walnut veneer. Assembles in a jiffy with just a screwdriver. Kit includes finishing oil for rubbing in an *oiled*-walnut finish . . . takes only minutes. Backboard has wired terminal strip for fast speaker hook-up. With easy instructions. 14¾x24x12″. Made in U.S.A. Shpg. wt., 29 lbs.

97 U 511 MU. *$5 Monthly*............**19.95**

KNIGHT
STEREO HEADPHONES

Deluxe Headphones Treat You to a New Experience in Stereo Listening


Built-In Volume Control on Each KN-876 Earcup
Cushions Remove For Cleaning
KN
876


Transducers In Acoustic Chamber Envelop You In Realistic Stereo
KN
875

Hear Vivid "Surrounding Stereo" in Total Privac

Supreme KN-876 Stereo Headphones

$19.95
$5 monthly

- VolumeControl on Each Earpiece
- Wide Range Response: 16-16,000 cps
- Unexcelled Separation for Living Stereo
- Soft Cushions Let You Listen for Hours

Ever listened to stereo through stereo headphones? If not, an experience that far surpasses all telling awaits you. The instant you put them on, you are in an amazing musical wonderland with unmatched channel separation. Music is on your right . . . on your left . . . in front of you . . . even behind you! No more sitting in a fixed listening area to get optimum stereo realism—dynamic driver elements and individual volume/balance controls in each earcup put you in the best location in the auditorium for every performance. Soft polyfoam ear cushions block out external noise; let you listen for hours on end without fatigue or discomfort. Headband adjusts to fit anyone. Cushions and stainless steel headband are vinyl-covered for easy cleaning. **Frequency Response:** 16-16,000 cps. **Impedance:** 3-16 ohms. Brown and tan. Complete with 8-ft. cord and standard ¼" phone plug. Made in U.S.A. Shpg. wt., 1¼ lbs.

97 U 508 M. *$5 Monthly* **19.95**

Deluxe KN-875 Stereo Headphones

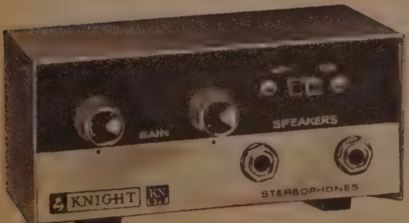
$14.95
Complete

- High-Fidelity Quality: 20-16,000 cps
- Dynamic Transducer in Each Earpiece
- Soft Foam-Plastic Cushions for Comfor
- Earcups and Headband Clean Easily

Low in cost, yet gives that "best seat in the house" fee
to every stereo FM broadcast, record or tape recor
Each earpiece contains a precision transducer in an aco
chamber to envelop you in dramatically realistic st
music. You sit relaxed—isolated from all external sou
of distraction, surrounded by only the magnificent m
of your favorite records or stereo FM. No matter w
you sit, you're in the perfect spot to hear excelle
separated stereo. Lightweight earpieces and soft fo
plastic earmuffs increase your listening comfort, let
enjoy long periods of listening without discomfort. Virtu
unbreakable brown earcushions and sturdy headband
removable for easy cleaning. Headband adjusts for m
mum personal comfort of each user. **Frequency Resp**
20-16,000 cps. **Impedance:** 4-16 ohms. With 8-ft. cord
std. ¼" phone plug. Made in U.S.A. 1¼ lbs.

97 U 575 M **14**

KN-879 Remote Control for Two Stereo Headphones



Controls Volume, Speakers From a Distance

$7.95

- Lets You Control Volume of 2 Headsets from Chai
- Has Switch to Turn Your Hi-Fi System's Speakers On o
- Operates With Any Stereo Headsets—Singly or in

Lets you adjust the volume of one or two stereo h
phones at extended distances from your stereo sys
Has separate volume control for each channel. Spe
muting switch permits using stereo headphones
others are listening through speaker, or private liste
without disturbing others. Accepts ¼" phone plugs.
2x4". Less cable. 1 lb. Made in U.S.A.

97 U 577 M **7**

47 U 508. 5-Conductor Cable. Wt., ½ lb. **25-Ft. Roll for**

Buy All the Hi-Fi Accessories You Need on Allied's Credit Fund

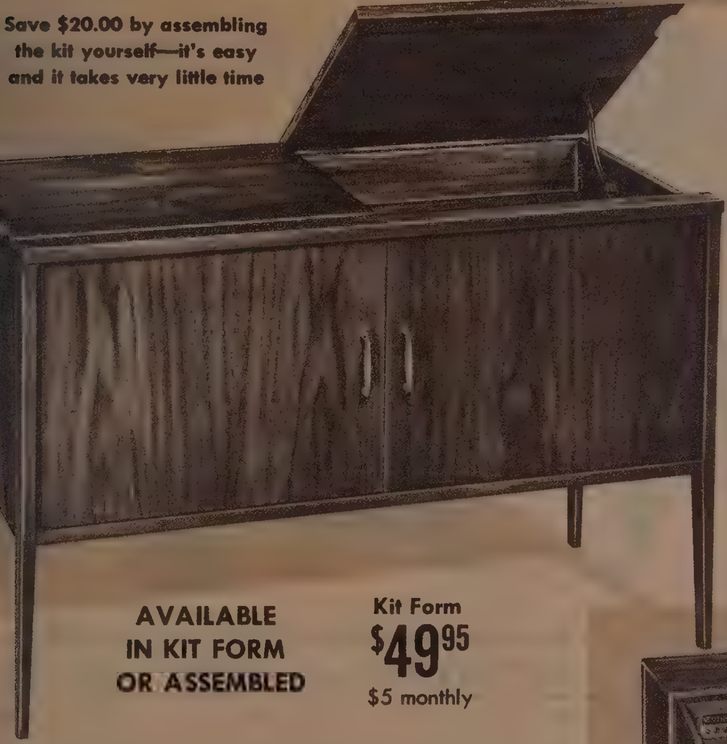
ntemporary Hi-Fi Cabinet Kit
uality, High-Styled Furniture

KNIGHT

HI-FI FURNITURE

NEW

Save $20.00 by assembling the kit yourself—it's easy and it takes very little time



AVAILABLE IN KIT FORM OR ASSEMBLED

Kit Form
$49.95
$5 monthly

IT'S SO EASY . . .

A Phillips and conventional screwdriver and an evening—that's all it takes to assemble the KN-1540K. We supply all materials.

. . . AND THRIFTY

Kit form gives you double savings: save by building it yourself, and get extra savings in reduced freight classification.

-1540K Deluxe Hi-Fi Equipment Cabinet Kit

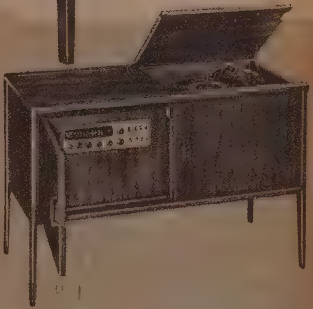
- **andsome ¾" Walnut Veneer, Ready for Easily Applied Oil Finish**
- **pacious Compartments; Convenient, Lift-Top Access to Changer**
- **re-Drilled and Pre-Sanded—You Need Only Two Screwdrivers**
- **cludes Shelving, Phono Mounting Board and Deluxe Dress Panel**
- **—Accommodates All Popular Components Regardless of Size**

perbly crafted piece of furniture, incorporating the timeless city and totally functional flexibility of contemporary design. far less than the price you'd normally expect to pay. Features ¾" walnut veneer construction throughout, with solid walnut and matching contemporary hardware.

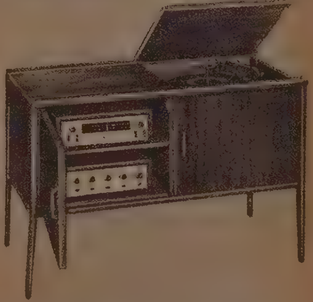
sion-fitting doors offer full access to spacious amplifier/tuner eceiver) compartment. Lift top reveals turntable or changer des mounting board for custom mounting). Second lift top des convenient access for servicing of equipment. Amplifier/ compartment has deluxe dress panel for flush-mounting comts. Or—adjustable shelving lets you install components in their al cases. High-style tapered legs are part of side panels for easy bly and added strength. Pre-drilled and pre-sanded—you need one Phillips and one conventional screwdriver to assemble.

partment sizes: Amplifier/Tuner/Receiver 17⅞" w., 13½" h., d.; Phono, 17⅜" w., 13½" h., 17½" d; Overall, 26⅛x39x19" ling legs. With screws, hardware, ample supply of oil finish and o-follow pictorial instructions for the whole assembling and ng operation. 54 lbs. Shipped express. Made in U.S.A.

512 MZ. Kit Form. *$5 Monthly*........................**49.95**
513 MZ. Assembled and Oiled Walnut Finished. *$5 Monthly*...**69.95**



Includes an uncut dress panel for custom mounting of amplifier and tuner or receiver. You make cutouts to fit your components.



Also includes adjustable shelving for the open installation of amplifier and tuner or receiver in their original cases.

KNIGHT

HI-FI FURNITURE

Distinctive Hi-Fi Furniture

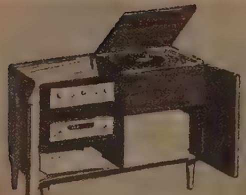
LUXURY CABINETRY FOR YOUR COMPONEN

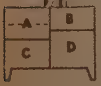
Authentic Early American Maple Ensemble

KN
1510K
KN
1511K

Contemporar Walnut Veneer Ensemble

Choose the Early American Maple or the Contemporary Walnut Veneer to Grace Your Home





All sections 16⅞" W. A and C: 15¼" D; have adjustable shelf. B: 8½" H; 14⅛" D. D: 12¾" H; 15¼" D.

Custom-Mount Dress Panel

Emphasize the beauty of your components with this custom panel. In walnut (to be oiled) or maple—specify. Uncut; you make cutouts to fit positioning of your components. Size: 14" high, 16$^{13}/_{16}$" wide. Shpg. wt., 4 lbs.

97 U 455 CMXF. **2.95**

SHIPPING INFORMATION

Knight furniture on these two pages shipped by truck or express from Stevens Point, Wisconsin (shipping charges collected by carrier on delivery). Allow 2 extra weeks for assembled units. Sorry, No C.O.D. orders.

Contemporary Ensemble in Kit or Assembled Form

3-Piece Ensemble Kit $134.95 $7 monthly | **Equipment Cabinet Kit** $69.95 $5 monthly | **Speaker Enclosure Kit** $34 $5 mo

Gives your stereo system an aura of California-inspired graciousness and endu simplicity. Ensemble features spacious component cabinet. Stylish V-gr paneled doors; lift-top phono compartment for easy access to turntable or cha without stooping; adjustable shelves in amplifier and tuner (or receiver) c partment. Bass-reflex enclosures have ducted port, baffles are precut for speakers and include adapter for 12" speakers. Warm brown grille cloth. U have sturdy ¾" construction, matching walnut veneer. Square tapered Outer dimensions: cabinet, 28¼x36½x16¼"; each enclosure, 28¼x18¼x16 Kits assemble in an evening; holes are drilled, you need only a screwdr Presanded, ready for quick-drying oil-finish (supplied). With hardware, oil structions. Made in U.S.A. See shipping information at left, below.

97 U 449 MZF. Complete Ensemble, Kit Form. 199 lbs. **134**

97 U 437 MZF. 1510K Equipment Cabinet Kit Alone. 95 lbs. **6**

97 U 438 MZF. 1511K Speaker Enclosure Kit Alone. 52 lbs. . . . . Each **3**

97 U 450 MZF. Complete Ensemble, Assembled. 199 lbs. **17**

97 U 443 MZF. 1510 Equipment Cabinet Assembled Alone. 95 lbs. **8**

97 U 444 MZF. 1511 Speaker Enclosure Assembled Alone. 52 lbs. . . . . Each **4**

Early American Ensemble in Kit Form

Distinctively styled to reflect the traditional warmth and charm of colonial England. Engineered to bring the best from your speakers too. Cabinet authentic framed doors with planked panels and bronze period hardware three pieces have finely sculptured scroll bases. Prefinished in antique honey-maple—no finishing oil necessary. Assembles in an evening with a screwdr Other details as above. Includes screws, hardware, and pictorial instruction easy assembly. Made in U.S.A. See shipping information at left.

97 U 451 MZF. Complete Ensemble, Kit Form. 199 lbs. **154**

97 U 439 MZF. 1520K Equipment Cabinet Kit Alone. 95 lbs. **7**

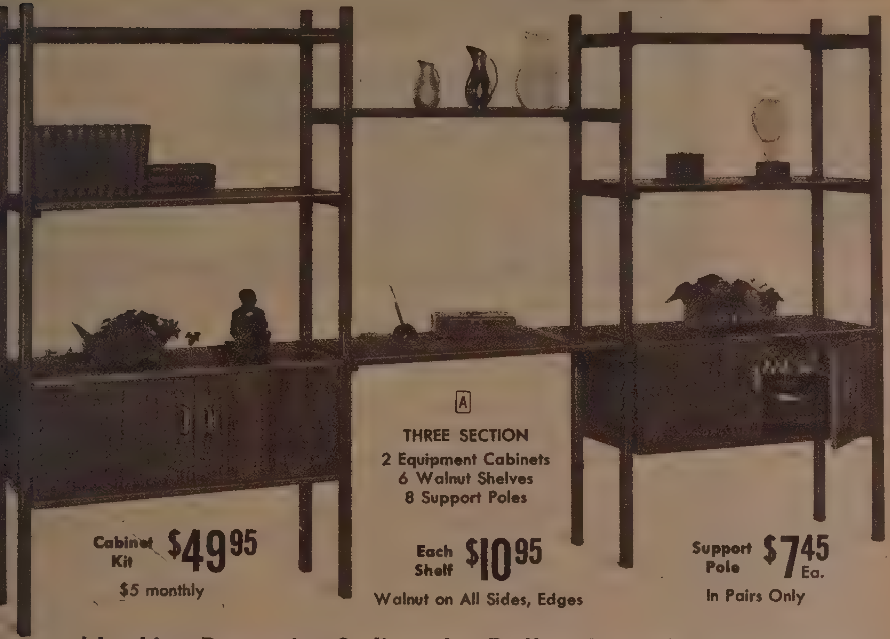
97 U 440 MZF. 1521K Speaker Enclosure Kit Alone. 52 lbs. . . . . Each **3**

om Divider-Shelf Ensemble

EXCLUSIVE CONTEMPORARY FURNITURE

KNIGHT

HI-FI FURNITURE



A

THREE SECTION
2 Equipment Cabinets
6 Walnut Shelves
8 Support Poles

Cabinet Kit $\$49^{95}$
$5 monthly

Each Shelf $\$10^{95}$
Walnut on All Sides, Edges

Support Pole $\$7^{45}$ Ea.
In Pairs Only

orward-Looking Decorative Styling plus Endless Possible Arrangements

nt, the leading supplier of versatile and ultra-rn hi-fi furniture, presents a new high-style group-Exceptionally solid construction, stable and free-ing. Richly accents your decor. Latest concept in furnishing flexibility—enlarge ensemble as need arises. After assembling cabinet with a screwdriver, apply oil finish to all parts with soft cloth (or paint). Each section 69x40½x18⅝″, requires one Oil Finish Kit.

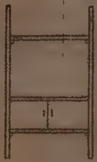
gn Your Own Ensemble by Ordering Separate Parts

NT CABINET KIT. Assembles with a screwdriver! Smart-looking unit ıner and amplifier (or receiver), plus record changer or turntable. So accommodates largest components now on the market Sturdy ¾″ uxurious walnut veneer throughout, including interior. Handsome r back has striking scrolled "cloverleaf" pattern for efficient component on. Usable for record storage. Vertical partition in center; adjustable left side. Magnetic door catches. Each compartment, 13x18x17⅜″. 14½x38x18⅝″. With blending hardware, handles, Less oil. 60 lbs. **ery ensemble, whether 1, 2, 3, or more sections, requires one cabinet.** Made . See shipping information on facing page.
MZF. *$5 Monthly* **49.95**

Luxurious ¾″ shelving with walnut veneer "all around" . . . no un-dges. Easily fasten to poles. May be positioned for "desk" use (see on above). ¾x38x18⅝″. With blending hdwr. Less oil. Made in U.S.A.
MZF. Shpg. wt., 15 lbs. Shpg. info. on facing page .... **Each 10.95**

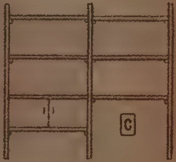
wo-piece hollowed-out wood construction for permanent vertical align-edrilled holes, 5″ apart, for shelf adjustment to suit your components. tained for matching finishes. 69x1¼x1½″. Made in U.S.A.
MZF. Shpg. wt. 7 lbs. Shpg. info. on facing page .... **Per Pair 14.90**
MXF. Oil Finish Kit. Order one kit per section. 1 lb. **3.95**

Examples of Ensemble Combinations



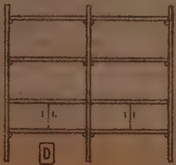
B

ONE SECTION
1 Equipment Cabinet
1 Walnut Shelf
4 Support Poles



C

TWO SECTION
1 Cabinet
5 Shelves
6 Poles



D

DELUXE TWO SECTION
2 Cabinets
4 Shelves
6 Poles

e from These Ensembles (Components described above)

ECTION. Less oil.
174 L4MZF. 89 lbs...... **90.70**

SECTION. Less oil.
175 L9MZF. 156 lbs.... **149.40**

D **DELUXE 2 SECTION.** Less oil.
97 U 176 L9MZF. 201 lbs.... **188.40**

A **THREE SECTION.** Less oil.
97 U 177 L12MZF. 238 lbs . . **225.20**

all-Mounted Custom Shelving, See Page 190

FISHER

Solid-State Stereo Receive

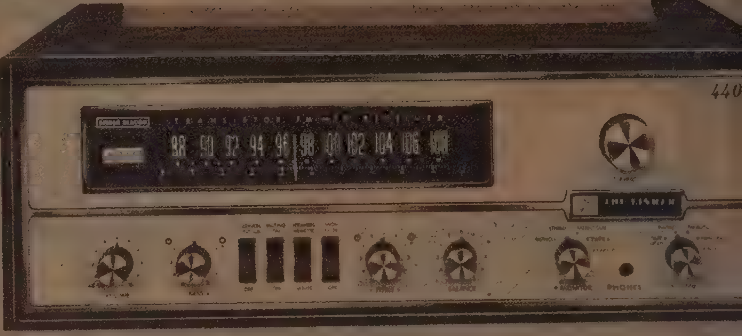
NEW!

Solid-State 70-Watt Stereo Multiplex FM Receiver

LOW ALLIED PRICE

$280.08 less case

$15 monthly



Model 440T 70-Watt Stereo FM Receiver

- Silcon Output Transistors for Undistorted Reproduction and Maximum Power
- Four Wideband IF Stages and Four Limiters Provide Excellent Selectivity
- "Stereo Beacon" Signals Multiplex Broadcast, Automatically Switches to Stereo

Beautiful listening, up-to-date design, exceptional performance in a low cost solid-state stereo receiver. Outstanding 4-gang FM front-end pulls in weakest stations; handles strong local stations without overload. 4 wideband IF's, 4 limiters and 1 mc ratio detector eliminate interference. Illuminated D'Arsonval meter for perfect tuning. "Stereo Beacon" indicates multiplex broadcast and automatically switches to stereo. Switchable muting circuit. Output transistors and power supply fuse-protected. Has tape monitor facilities plus switch for 4-track monophonic tape playback through both channels simultaneously; speaker selector switch; loudness, balance. Size, 5⅛x16¾x11⅞". Gold-plated front panel, brushed brass inserts and black metal cage. Less case, below. For 105-120 v., 50-60 cycle AC. Wt., 27 lbs.

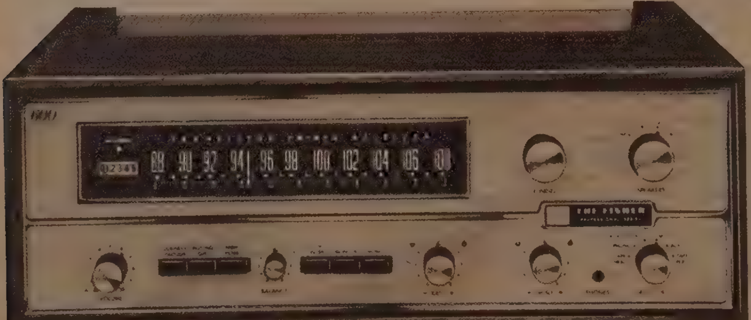
72 U 641 MU. *$15 Monthly* **280.08**

OILED WALNUT WOOD CASE. For Models 440T and 600T below. 9 lbs.

72 U 633 MX. *$5 Monthly* **22.45**

SPECIFICATIONS

Rated Power Output (IHF):
watts at 4 ohms load impeda
50 watts at 8 ohms.
Response: ±1.5 db, 22-22,000
Harmonic Distortion: 0.8%.
Hum and Noise: 80 db down.
Outputs: 4, 8, or 16-ohms
channel; front-panel headp
jack; tape recording.
IHF FM Sensitivity: 2.0 μv
Signal-to-Noise Ratio: 68 db.
IF Rejection: 85 db.
Image Rejection: 60 db.
Stereo Separation: 35 db.
Capture Ratio: 2.2 db.
Calibration Accuracy: 0.2%:
Drift: 0.01%.
FM Harmonic Distortion: 0.5%



Solid-State 120
Watt Stereo Mul
plex FM Receiv

Was $505.75
1965 Cat. 24

LOW ALLIED PR

$390.58 les cas

$18 monthly

Model 600T 120-Watt Stereo FM Receiver

Combining the ultimate in performance with unlimited operational flexibility, the renowned 600T receiver brings you magnificent concert-hall listening pleasure. Highly sophisticated control center employs 20 controls, pushbuttons and switches to put you in total command of every conceivable music source. Each powerful 60-watt amplifier channel uses 4 premium output transistors and has ample reserve to flawlessly drive any speaker to its maximum level. Super-sensitive FM tuner section has "Golden Synchrode" nuvistor front-end, 5 IF stages, 5 limiter stages, wideband ratio detector; variable threshold muting and deluxe tuning meter for superb reproduction. "Stereo Beacon" signals multiplex broadcasts and automatically switches to stereo mode. Uses superior time-division multiplex circuit. Size, 5⅛x16¾x11⅞". Less case, above. For 110-120 v., 60 cycle AC. Wt., 36 lbs.

72 U 622 MU. *$18 Monthly* **390.58**

SPECIFICATIONS

Rated Power Output: 120
IHF; 45 watts/channel sine
Response: ±1 db, 20-25,000
Harmonic Distortion: 0.5%.
Hum and Noise: 90 db down.
Outputs: 4, 8, or 16-ohms
channel; front-panel headp
jack; tape recording.
IHF FM Sensitivity: 1.8 μv.
Signal-to-Noise Ratio: 70 db.
IF Rejection: 90 db.
Stereo Separation: 40 db.
Capture Ratio: 2.0 db.

e-Setting Stereo Receivers

FISHER

Stereo Multiplex FM Plus 75-Watt Stereo Amplifier

Was $331.08 in 1965 Cat. 240

NEW LOW PRICE

$297.08 less case

$15 monthly

Model 500C 75-Watt Stereo FM Receiver

l-in-one with distinguished styling and professional performance. FM
tor "Golden Synchrode" front-end for greater sensitivity and maximum
of unwanted signals. 4 wideband IF stages, 3 limiters and ratio de-
th 2 balanced germanium diodes eliminate noise and interference.
al tuning meter. "Stereo Beacon" signals multiplex broadcast and
cally switches to stereo; advanced time-division multiplex circuit for
o. 8 controls, 4 switches, 17 input and output jacks for every source.
nitor; power-derived center channel. 5¾x17½x13½". 18 tubes. Less
w. For 105-125 v., 60 cycle AC. 37 lbs.
MU. *$15 Monthly*.......................................**297.08**

0C 75-WATT STEREO FM-AM RECEIVER. Above, plus AM section. With
pentode RF amplifier; pentagrid converter; variable IF bandwidth;
d antenna. **AM Sensitivity:** 5 µv. **AM Selectivity:** 55 db. 19 tubes. Less
w. For 105-125 v., 60 cycle AC. 45 lbs.
MU. *$16 Monthly*.......................................**339.58**

ALNUT WOOD CASE. For Models 500C, 800C and 400 below. 7 lbs.
MX. *$5 Monthly*.......................................**22.45**

SPECIFICATIONS

Rated Power Output: 75 watts IHF; 32 watts per channel continuous sine wave power.
Frequency Response: +1.5 db, 25 to 25,000 cycles per second.
Harmonic Distortion: 0.5%.
Hum and Noise: 80 db down.
Outputs: 4, 8, 16-ohms each channel; power-derived center channel; front-panel headphone jack; high-impedance tape recording.
IHF FM Sensitivity: 1.8 µv.
Signal-to-Noise Ratio: 70 db.
Selectivity: 60 db.
IF Rejection: 90 db.
Stereo Separation: 35 db.
Calibration Accuracy: 0.2%.
Capture Ratio: 2.5 db.

**o Multiplex
lus 65-Watt
o Amplifier**

$280.08 in
5 Cat. 240

LOW PRICE

37.58 less case

2 monthly

Model 400 65-Watt Stereo FM Receiver

ng stereo receiver at a price to please the most budget-minded music
mbines sensitive, drift-free FM tuner with precision time-division
demodulator; plus a top-performing 65-watt stereo amplifier with a
of controls and inputs for all sources. FM section has: "Golden Syn-
ront-end, with 3 tuned circuits and complete shielding; 4 wideband
and 3 limiters for low distortion; "Stereo Beam" indicator for multi-
dcasts also doubles as FM tuning indicator; plus stereo filter to
background noise. Amplifier has friction-lock bass and treble controls;
d loudness controls; tape monitor facilities; grain-oriented, laminated-
output transformers; DC on low-level stages for minimum hum. Size,
13". 13 tubes. Brushed brass panel. Less case, above. For 110-130 v.,
C. Shpg. wt., 39 lbs.
MU. *$12 Monthly*.......................................**237.58**

SPECIFICATIONS

Rated Power Output: 65 watts IHF; 28 watts/channel sine wave.
Response: ±1 db, 25-25,000 cps.
Harmonic Distortion: 0.5%.
Hum and Noise: 80 db down.
Outputs: 4, 8, 16-ohms each channel; front-panel headphone jack; high-imp. tape recording; center channel for 3rd amplifier.
IHF FM Sensitivity: 1.8 µv.
Signal-to-Noise Ratio: 70 db.
Stereo Separation: 35 db.
Capture Ratio: 2.5 db.

r Fisher Receiver Now—Use Your Allied Credit Fund Plan

FISHER Solid-State Stereo FM Tuners

Solid-State

for spectacularly clear
production . . . ultimate
reliability . . . maximum se
aration and low distorti

$195.08 less case
$10 monthly

New Model TFM-200 Solid-State Stereo FM Tuner

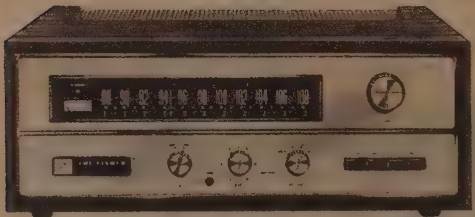
A truly deluxe tuner, engineered to bring you stereo FM reception of first magnitude quality. Combines modern solid-state circuitry with famous Fisher design for sparkling clean FM reception even in fringe areas. Exclusive "Stereo Beacon" indicator lights and automatically switches tuner to stereo reception when you tune any station that is broadcasting in stereo. Features nuvistor and "Golden Synchrode" front-end for outstanding sensitivity, 4 IF stages, 3 limiters and wideband ratio detector. Front panel includes: 4-position mode selector, D'Arsonval tuning meter, 2-position muting switch and tape output. Size, 4 13/16x15 1/8x11 7/8". Less case, below. For 105-120 v., 50-60 cycle AC. Shpg. wt., 18 lbs.

72 U 637 MU. *$10 Monthly*. **195.08**
72 U 629 MX. Wood Case. Oiled walnut finish. 6 lbs. **22.45**

SPECIFICATIONS

FM Sensitivity: 1.8 µv (IHF).
Channel Separation: 40 db at 400 cps
Harmonic Distortion: 0.5% at 400 cps.
Capture Ratio: 2.2 db.
Signal-to-Noise Ratio: 70 db.
Image Rejection: 65 db at 100 mc.
IF and Spurious Response Rejection: 90 db at 100 mc.
Selectivity: 55 db.

Deluxe Model TFM-300 Solid-State Stereo FM Tuner



- Magnificent Performance and Unvarying Reliability
- 5 Solid-State IF's, 5 Limiters for Top Reception
- Automatically Indicates, Switches to Stereo Mode

Deluxe version of the TFM-200, offering an even more
developed circuitry for stereo FM music reception w
of even the most critical audiophile's praise. Fe
solid-state wideband IF strip in 5 stages, 5 limiter
wideband ratio detector to assure finest reception
in fringe areas. "Stereo Beacon" indicator can be
automatically indicate and switch over to stereo
whenever you tune a station broadcasting in stereo. Va
threshold muting control lets you block out inter-s
noise as well as interference from weak stations n
stronger ones. 4 pushbuttons for mode selection. Illum
D'Arsonval tuning meter. Size 4 13/16x15 1/8x11 7/8". Les
below. For operation from 105-120 v., 50-60 cycl
Shpg. wt., 20 lbs.

72 U 623 MU. *$12 Monthly*. **23**
72 U 629 MX. Wood Case. Oiled walnut. 6 lbs. . . . . . .

FM-100C Wideband Stereo FM Tuner

- Receives Stereo FM Programs With Gratifying Realism
- 4 IF's and 3 Wideband Limiters for Clean Reception
- Automatically Indicates and Switches to Stereo Mode

Deluxe tube-type stereo multiplex FM tuner, desi
bring you broadcasted stereo music with thrilli
like qualities. Features "Stereo Beacon" that autom
indicates and switches over to stereo receiving mod
ever you tune a station broadcasting in stereo. "
Cascode" front end provides excellent sensitivity
stages and 3 wideband limiters assure clear recepti
in weak signal areas. Transistorized "Time Swi
multiplex circuitry for highly sensitive reception o
FM. Illuminated D'Arsonval tuning meter helps you
stations with pinpoint accuracy. Sensitivity contr
channel-level controls; distant/local switch. **Sensitiv**
µv. **Channel Separation:** 40 db. 8 tubes, 9 diodes; 8 tra
4 13/16x15 1/8x11 7/8". Less case, below. For 105-120 v
cycle AC. Shpg. wt., 20 lbs.

72 U 628 MU. *$10 Monthly*. **1**
72 U 629 MX. Wood Case. Oiled walnut. 6 lbs. . . . .

olid-State Stereo Amplifiers

FISHER

Solid-State

for ultra-wide frequency response . . . cool, quiet operation . . . low distortion . . . instant operation

$237⁵⁸ less case

$12 monthly

New Model TX-200 90-Watt Solid-State Stereo Amplifier

isite stereo hi-fi control center, fit for the finest stereo music
6-position music source selector puts you in immediate command
o, tuner, tape deck, mike—you name it. Dual concentric bass,
alance and volume controls adjust each channel for stereo sound
st suits your taste and the room acoustics. 3-position mode
activates indicators to show you at a glance the mode of opera-
no, stereo or reverse. Rocker-type switches control tape monitor,
d remote speakers, high and low-cut filters, loudness contour.
ccessible front-panel headphone and tape output jacks. $4\frac{13}{16}$x
$\frac{7}{8}$". Less case, below. For operation from 105-120 v., 60 cycle AC.
t., 30 lbs.
6 MU. *$12 Monthly*.................................**237.58**
9 MX. Wood Case. Oiled walnut finish. 6 lbs...............**22.45**

SPECIFICATIONS

Power Output: 90 watts IHF, 45 watts each channel.
Frequency Response: ±1 db, 20-25,000 cps.
Harmonic Distortion: 0.5% at full rated power.
Hum and Noise: −80 db.
Channel Separation: 55 db.
Input Sensitivity: Phono, 4.0 mv; Tape, 2.6 mv; Aux., 280 mv; Mic., 2.2 mv.

0B Wideband Stereo FM Tuner

aking Stereo Realism at a Moderate Price
tically Indicates Stereo FM Reception

pe tuner featuring sensitive, high fidelity
nultiplex FM reception at moderate
IF stages and 2 wideband limiters for
sensitivity and selectivity. "Stereo-
ndicator signals when you've tuned a
broadcasting in stereo. Precision
val tuning meter for pinpoint center-of-
tuning. Switchable stereo filter reduces
weak or distant stations. Dual audio
ntrols. Tape outputs. **Sensitivity:** 2.0 µv.
Separation: 35 db. 8 tubes, 9 diodes. $4\frac{13}{16}$x
$\frac{7}{8}$". Less case, listed below. For 110-120
cle AC. 18 lbs.
4 MU. *$8 Monthly*..............**144.08**
9 MX. Wood Case. Walnut 6 lbs...**22.45**

VE ON STEREO SYSTEMS

For Big Savings On Music Systems Featuring Fisher Deluxe Components, See Pages 99 and 104-108

TX-300 100-Watt Solid-State Amplifier

$280⁰⁸ less case

$15 monthly

- Incredibly Realistic Stereo Reproduction
- Instant Operation the Moment You Turn It On
- Deluxe Pushbutton Control Panel

A delicate, near-silent passage of a symphony . . . the radiant trills of a coloratura soprano . . . the blaring brass of a Dixieland band . . . the thunderous bass of a majestic pipe organ—this deluxe amplifier reproduces them all with an amazingly transparent quality. Total-command control panel assures maximum music source flexibility. 4 pushbuttons with indicator lights activate tuner, tape playback, low-level and auxiliary inputs; 4-position low-level switch selects tape recorder, phonos and mike. 3-position mode selector, dual concentric bass, treble, balance and volume controls. Rocker-type switches for tape monitor, low and high filters, loudness contour. Front-panel tape output and headphone jacks. **Response:** ±1 db, 20-25,000 cps. Hum and Noise: −80 db. Size, $4\frac{13}{16}$x$15\frac{1}{8}$x$11\frac{7}{8}$". Less case, below. For 110-120 v., 60 cycle AC. Shpg. wt., 30 lbs.

72 U 624 MU. *$15 Monthly*...........................**280.08**
72 U 629 MX. Wood Case. Oiled walnut. 6 lbs.........**22.45**

FISHER Top Value Stereo Amplifiers

BIG 84 WATTS OF MUSIC POWER

- Full Complement of 18 Inputs and Controls For Every Conceivable Music Source
- Derived Center-Channel Output to Drive 3rd Stereo Channel or Remote Mono Speaker
- Complete Tape Monitoring Facilities

$212^08 less case
$11 monthly

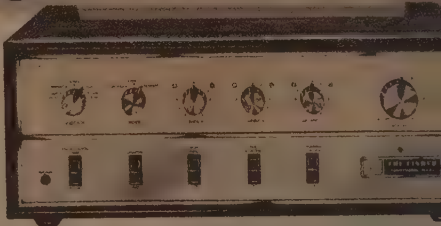
Model X-202C 84-Watt Stereo Ampli

Acclaimed by hi-fi enthusiasts for excepti
performance, extreme flexibility and operati
versatility. Offers 18 inputs, 10 outputs and
impressive array of controls for complete
mand of any music system. Tape head, t
and auxiliary inputs as well as 2 sets for
level phono, plus mike input which per
amplifier to be used for public address app
tions, if necessary.

Has high and low filters, tape monitor, l
ness contour, speaker muting, dual conce
bass and treble controls; front-panel st
headphone jack. Derived center-channel ou
drives third speaker directly without requ
additional amplifier.

Output: 84 watts IHF, 42 watts per cha
Hum and Noise: −80 db. **Outputs:** 4, 8, 16 o
center-channel; tape; headphones. 4$\frac{13}{16}$x1
11$\frac{7}{8}$". Less case, below. For 110-120 v., 60
AC. Shpg. wt., 36 lbs.
72 U 632 MU. *$11 Monthly*............**212**

72 U 629 MX. Wood Case. Handsomely fini
in oiled walnut. 6 lbs....................2



Model X-100C 50-Watt Stereo Amplifier

$144^08 less case
$8 monthly

- Superb Performance at a Low Price
- Music Power to Spare—Even with Low-Efficiency Speaker Systems

Expertly engineered to place awe-inspiring stereo hi-fi performance at your fingertips. Provides 50 watts of dazzlingly pure music reproduction across the entire audio spectrum, from the deepest organ tones to the most delicate violin passages. Inputs, outputs and controls accommodate all stereo and mono sources. Derived center channel; tape monitor; high and low-cut filters; loudness control; dual concentric bass, treble; DC on preamp tube filaments. Impedances, 4, 8, 16-ohm; hi-Z recording; center channel; headphones. 4$\frac{13}{16}$x15$\frac{1}{8}$x11$\frac{7}{8}$". Less case, uses same as X-202C above. For 110-120 v., 50-60 cycle AC. 30 lbs.
72 U 630 MU. *$8 Monthly*..........................**144.08**

Model X-101D 66-Watt Stereo Amplifi

$169^58 less case
$9 monthly

- Provides Dynamic Stereo Realism
- 18 Inputs and Outputs, 13 Con
- Derived Center-Channel Output

Powerful output, plus a host of deluxe convenienc
inputs and outputs with 13 front-panel controls put
complete command of any music source. Derived
channel output drives third speaker directly. Switche
monitor, high/low cut filters, loudness control; dua
centric bass, treble controls; front-panel stereo head
jack. **Output:** 66 watts IHF, 33 watts per channel. H
Distortion: 0.5% at rated power. **Hum and Noise:** —
Outputs: 4, 8, 16 ohms, hi-Z recording, headphones.
15$\frac{1}{8}$x11$\frac{7}{8}$". Less case, uses same as X-202C. For 1
v., 60 cycle AC. 28 lbs.
72 U 631 MU. *$9 Monthly*..........................**1**

Model 50 30-Watt Solid-State Portable Stereo Phono

MEETS HIGH-FIDELITY STANDARDS

No ordinary phonograph, but a real hi-fi stereo
system designed to suit the discriminating tastes
audiophile. Using new solid-state circuitry, this a
case system puts out 30 watts (15 watts per channe
music power for spectacularly flawless sound. Has
trols and inputs that accommodate tuner and tape re
Also has front-panel stereo headphone jack. Gar
speed changer mixes all size records of same speed
off automatically, has turnover cartridge with diamo
synthetic sapphire needles. Each detachable enclos
a 6" wide-range speaker and a 10′ cord. 14$\frac{1}{4}$x24$\frac{3}{8}$x
105-120 v., 60 cycle AC. Shpg. wt., 39 lbs.
72 U 625 MU. *$10 Monthly*....................**1**

Easy-to-Build "StrataKits" by FISHER

Both Units Shown in Wood Case

BUILD A "STRATAKIT"

When you build a "StrataKit," you get Fisher professional quality at a cost far less than that of factory assembled units. "StrataKits" are designed to make you a kit-building expert —you need no previous knowledge of electronics, no workbench loaded with special tools.

Tuner Kit
43 55 less case
monthly

Amplifier Kit
$116 50 less case
$6 monthly

Perfectly Matched Pair

] KM-60 Stereo Multiplex FM Tuner Kit

he audio connoisseur who would rather do it him-
After a short period of rewarding and enjoyable kit-
ng, you have a super-sensitive tuner that receives
ificent stereo FM as well as wideband conventional
rogramming. Features "Golden Cascode" front-end,
IF stages, 3 wideband limiters and subcarrier noise
essor to assure you of the finest distortion-free
tion—even under poor reception conditions. Precision
sonval tuning meter helps you align IF stages and
detector, provides pinpoint station tuning. "Stereo
" indicator lights when you've tuned a stereo broad-
Output level control on each channel. Tuning and
plex sections are factory assembled and aligned.
vity: 1.8 µv. **Separation:** 35 db. 4¹³⁄₁₆x15⅛x13″.
case, below. For operation from 105-120 v., 50-60
AC. Shpg. wt., 23 lbs.

070 MU. *$8 Monthly*.................... **143.55**
072 MX. Metal Case. Simulated leather. 7 lbs.... **14.35**
074 MX. Oiled Walnut Wood Case. 6 lbs........ **22.45**

-90 40-Watt Stereo Amplifier Kit

le Range of Inputs and Controls
t-Panel Headphone Jack Plus
peaker-Silencing Switch
e Monitoring Facilities

$89 50 less case
$5 monthly

e stereo control amplifier produces ex-
tingly realistic stereo music. And it costs
ess—because you assemble it yourself. Con-
and inputs accept all stereo and mono music
es, and is extremely easy to operate. 4-
on source selector chooses tape recorder,
, tuner or auxiliary. Dual concentric bass,
and balance controls adjust sound to suit
acoustics and individual taste. Rocker-type
monitor, speaker muting, high-cut filter and
ess contour switches add to its operational
lity. Front-panel headphone jack for private
ng. Derived center-channel for third channel
emote mono speaker without additional
fier. **Output:** 40 watts IHF, 20 watts per
el. **Response:** ±1.5 db, 20-20,000 cps. **Harmonic**
ion: 0.5%. **IM Distortion:** less than 0.8%.
15⅛x13″. Less case, below. For 105-120 v.,
cycle AC. 29 lbs.

538 MU. *$5 Monthly*................ **89.50**
529 MX. Wood Case. Walnut. 6 lbs.... **22.45**

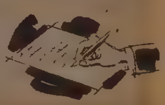
B KX-100 50-Watt Stereo Amplifier Kit

Superb amplifier at tremendous savings, thanks to money-saving kit form. Assembles quickly, in easy, error-proof stages. Features 7 pairs of stereo inputs, plus 17 front-panel controls for unusual flexibility and versatility. Has such conveniences as switched tape/phono equalization, high/low-cut filters, direct tape monitor, speakers and loudness contour controls; dual concentric bass and treble controls; 5-position input selector, 3-position mode selector; balance and master volume controls; front-panel stereo headphone jack. Derived center-channel output permits use of third stereo channel or remote mono speaker without the need for an additional amplifier. ±1 db, 20-20,000 cps. 4, 8, 16 ohms. 4¹³⁄₁₆x15⅛x12½″. Less case, at left. For 105-120 v., 50-60 cycle AC. Wt., 28 lbs.

72 U 065 MU. *$6 Monthly*........................ **116.50**
72 U 066 MU. KX-200 80-Watt Stereo Amplifier Kit. (Not illus.) Similar to above, but has center-channel level and stereo dimension controls, speaker switch, stereo headphone jack. Less case, at left. 29 lbs.............. **152.50**

Extra Savings on Complete Fisher Systems

See pages 99 and 104-109 for Fisher stereo systems. Or, if you prefer a system of components of your choice, send your selections to our Hi-Fi Division. We'll quote a price with savings comparable to those on Allied-recommended systems shown in this catalog.



FISHER

Outstanding Stereo Hi-Fi Buy

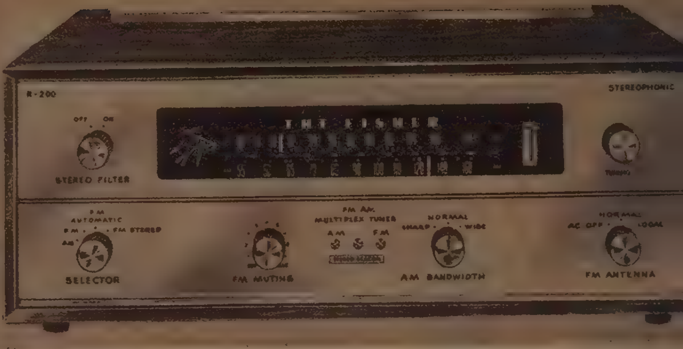
SPECIAL PURCHASE!

Sold for $254.58
In 1965 Catalog 240

New Low Price $199.50 less case

$10 monthly

ALLIED EXCLUSIVE



Model R-200 Deluxe Stereo FM-AM Tuner

New low price on this superb quality favorite! Offers spectacular stereo FM, ultra-pure wideband conventional FM, and super-sensitive AM reception. FM section boasts Golden Synchrode front-end for greatest possible overload margin and rejection of unwanted signals. Has five IF stages, four limiters, and wideband ratio detector. Utilizes superior method of time-division multiplex detection. Stereo Beacon indicates when multiplex broadcast is being received—then automatically switches tuner to stereo function. AM section has tuned RF stage, converter and two IF's. Controls: stereo filter; mode selector; FM muting; FM antenna; AM bandwidth; tuning. D'Arsonval tuning meter; output level controls. Size, 4$^{13}/_{16}$x15$^{1}/_{8}$x12". Brushed brass panel. Less case, below. For 105-120 v., 50-60 cycle AC. Shpg. wt., 33 lbs.

72 U 047 MU. *$10 Monthly*............................**199.50**

72 U 072 MX. Metal Case. Vinyl-clad, simulated leather. 7 lbs.....**14.35**

72 U 074 MX. Wood Case. Handsome oiled walnut fininsh. 6 lbs...**22.45**

SPECIFICATIONS

FM SECTION

IHF Sensitivity: 1.6 microvolts.
Signal-to-Noise Ratio: 70 db.
Capture Ratio: 1.8 db.
Alternate Channel Selectivity: 65 db.
Stereo Separation: 35 db.
Response: 20 to 15,000 cps.
Harmonic Distortion: 0.4%.

AM SECTION

Sensitivity: 5 microvolts.
Bandwidth: 7 kc.
Whistle Filter: 10 kc.

GENERAL

Rated Audio Output: 2 volts.
Tube Complement: 15, plus 19 diodes.

Famous Model 500-B 65-Watt Stereo FM Receiver

Special Purchase
$229.95 less case
$12 monthly

- Ample Inputs for Any Music Source
- Phase-Linear Wideband Circuit has 4 IF's
- Front-Panel "Stereo Beam" Indicator
- Multiplex Filter Eliminates Hiss and Background Noise on Distant Stations

Compact, elegantly styled all-in-one unit brings you: supersensitive FM tuner with top-performing stereo multiplex circuit; powerful 65-watt stereo amplifier with wide range response; and complete control center for total command of all stereo or monophonic program sources under any listening condition. Beautiful brushed-brass front panel has 7 controls and 6 switches, including scratch and rumble filters, tape monitor, balance control, plus separate bass and treble controls for each channel. Special built-in filter eliminates hiss and background noise during reception of distant FM stereo stations. **IHF Sensitivity:** 2.2 µv. **Frequency Response (Overall):** 25 to 25,000 cps. **Harmonic Distortion:** 0.5%. **Hum and Noise:** –85 db. Size, 5$^{3}/_{4}$x17$^{1}/_{2}$x13$^{1}/_{4}$". Less case, below. For 105-120 v., 50-60 cycle AC. Wt., 35 lbs. Shipped express.

72 U 052 MU. *$12 Monthly*......................**229.95**

72 U 055 MX. Wood Case. Oiled walnut finish. 7 lbs.....**22.45**

Model FM-100B Stereo FM Tun

Special Purchase
$159.50 less case
$8 monthly

- Sensitive, Low-Noise Front
- Automatic Stereo Switching
- Tuning Meter; Stereo Beac
- Interstation Noise Suppress
- 5 IF Stages and 4 Limiters

Compares to the best tuners money can buy! Golden-Cascode front-end, 5 IF stages a limiters to give outstanding image and spu rejection—assures distortion-free recept Automatically switches to stereo. Stereo Be indicator lights whenever station transmits stereo. Muting circuit suppresses intersta noise. **IHF Sensitivity:** 1.8 µv. **S/N Ratio:** 70 **Separation:** 35 db. Brushed-brass panel. 4 15$^{1}/_{8}$x13". Less case, below. For 105-120 v., cycle AC. 20 lbs.

72 U 081 MU. *$8 Monthly*............**15**

72 U 072 MX. Vinyl-Clad Metal Case. 7 lbs. 1

72 U 074 MX. Oiled Walnut Case. 6 lbs....2

Special Low Allied Prices!

FISHER

FEATURE VALUE!

At ALLIED'S

Special Purchase Price

$149.50 less case

$8 monthly

W! Model X-200 80-Watt Stereo Amplifier

acked amplifier for the listener who insists upon deluxe perform-
modest cost. Powerful 80-watt output drives even the lowest-
speaker systems to their maximum performance levels. Derived-
enter-channel output needs no separate amplifier—operated by
nt front panel control. Has stereo dimension control to provide
ee of channel separation from full stereophonic to monophonic—
almost every acoustical arrangement. Tape monitor facilities,
s and treble controls, loudness contour and high frequency
tches, plus a host of other refinements, assure ease of operation
l enjoyment. D'Arsonval meter circuit adjustment. $4\frac{13}{16}$x$15\frac{1}{8}$x
rushed brass panel. Less case, below. For 105-120 v., 50-60 cycle
g. wt., 29 lbs.
MU. *$8 Monthly*. **149.50**
MX. Metal Case. Vinyl-clad, simulated leather. 7 lbs. **14.35**
MX. Wood Case. Handsome oiled walnut finish. 6 lbs. **22.45**

SPECIFICATIONS

Rated Output: 80 watts IHF music power; 35 watts per channel sine wave.
Overall Frequency Response: ±1 db, 20 to 20,000 cycles per second.
Harmonic Distortion: 0.5%.
Hum and Noise: High Level Inputs, −80 db; Low Level, −66 db.
Input Sensitivity: High Level, 350 mv; Low Level, 3.5 mv.
Stereo Separation: exceeds 50 db.
Bass Range: ±30 db at 50 cps.
Treble Range: ±32 db at 10 kc.
Damping Factor: 10
Tubes: 6—12AX7; 4—7591.
Power Supply: 4 silicon diodes.

-100 40-Watt Stereo Amplifier

ous-value 40-watt amplifier with versatile
facilities. Offers traditional Fisher qual-
yling at a price far below what you'd expect
You enjoy the advantages of high-rated
—flawless sound, and freedom from hum,
l distortion. Full recording facilities include
d and monitor input, plus independent
outputs. Separate bass and treble controls
channel. Also: front-panel stereo headphone
atch filter; loudness function; equalization
much more. **IHF Output:** 40 watts. **Response:**
20 to 20,000 cps. **Hum and Noise:** −60 db.
npedances: 8, 16 ohms. $4\frac{13}{16}$x$15\frac{1}{8}$x$11\frac{7}{8}$".
brass panel. Less case, below. For 105-120
cycle AC. 24 lbs.
MU. *$6 Monthly*. **109.50**
MX. Wood Case. Oiled walnut. 6 lbs. . **22.45**

A

Special Purchase

$109.50 less case

$6 monthly

- Fisher Quality and Styling at Low Cost
- Boasts a Wide Array of Inputs and 10 Front-Panel Controls
- Tape Monitor Provision
- Only 0.5% Harmonic Distortion

-101-C 60-Watt Stereo Amplifier

nely styled amplifier with complete facilities
-range reproduction. Only the frequently
trols are in full view: push-button program
mode selector and volume. Behind the
over are: output selector, bass, treble and
controls plus equalization, hi-filter, monitor
lness switches. Has DC on critical tube
for minimum hum. Power-derived center-
output for third speaker (either for
l stereo or remote monophonic sound).
atures: direct tape monitor: front-panel
ne jack; subsonic cut-off switch; switched
gnetic inputs. **Rated IHF Output:** 60 watts.
Noise: −80 db. **Overall Response:** ±1 db,
cps. $4\frac{13}{16}$x$15\frac{1}{8}$x$12\frac{1}{2}$". Less case, below.
120 v., 50-60 cycle AC. 25 lbs.
MU. *$7 Monthly* **139.50**
MX. Metal Case. Attractive simulated
inish. Shpg. wt., 7 lbs. **14.35**
MX. Wood Case. Oiled walnut. 6 lbs. . **22.45**

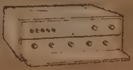
B

Special Purchase

$139.50 less case

$7 monthly

Hinged Cover Hides
Less Frequently
Used Controls



SCOTT

All-New Solid-State Receive

COOL OPERATION, COMPACT SIZE, RELIABILITY, PLUS AMAZING REALIS

SPECIFICATIONS

Power Output: 50 watts IHF/channel; 37½ watts RMS/chan.
Response: ±1 db, 15-30,000 cps.
Harmonic Distortion: under .8%.
Outputs: 4, 8, or 16 ohms/chan.; headphone jack; tape recorder.
IHF Sensitivity: 1.9 μv.
Signal-to-Noise Ratio: 65 db.
Capture Ratio: 2 db.
Separation: 40 db.

$407 95 less case $19 monthly

100-Watt Stereo Amplifier and Stereo Multiplex FM Tuner on One Compact Ch

NEW! Model 348 Deluxe Solid-State 100-Watt Stereo FM Receiver

Tremendous power and dazzling stereo realism—deluxe in every respect to satisfy the most critical listener. Compactly designed to fit a 10½" wide bookshelf; has an extruded panel appointed with black leatherette that fits virtually any decor. Up-to-the-minute solid-state circuitry includes 36 transistors, 4 nuvistors and 34 diodes for cool, stable operation and super-sensitive FM reception from the moment you turn it on. Silver-plated front-end plus wideband IF circuits for extraordinary response. Automatically switches to stereo mode when multiplex signal is received. Time-switching multiplex circuitry provides full frequency response with exceptional 40 db separation and minimum distortion. Also features dynaural interstation noise suppression that completely does away with annoying hiss between stations when tuning. Has professional signal-strength meter for razor-sharp tu 100-watt amplifier section uses no audio transform limit frequency response. Produces sound with beauty and purity that simply must be heard to be bel Massive heat sinks assure stability and reliability of o stage even under the most demanding power requiren Inputs for magnetic phono (switchable for 3, 6 or 9 tape head and auxiliary sources. Has full compleme switches and controls for all functions—you're alwa complete command of the program to which you're l ing. Includes dual-friction clutch bass and treble; ba loudness. Size, 5½x12½x12¼". Less case, below. Fo 120 v., 60 cycle AC. Shpg. wt., 25 lbs.
72 U 731 MU. *$19 Monthly*. 40
72 U 733 MX. Wood Case. Oiled walnut. 8 lbs. . . . . . .

NEW! Model 344B Solid-State 60-Watt Stereo FM Receiver

60-Watt Stereo Amplifier and Stereo Multiplex FM Tuner

$319 95 less case $16 monthl

SPECIFICATIONS

Power Output: 30 watts IH channel; 22½ watts RMS/ch
Response: ±1 db, 20-20,000
Harmonic Distortion: under .
Outputs: 4, 8, or 16 ohms/ch headphone jack; derived ce channel; tape recording.
IHF Sensitivity: 2.2 μv.
Signal-to-Noise Ratio: 60 db.
Capture Ratio: 4 db.
Separation: 35 db.

Magnificent performing 60-watt stereo amplifier and deluxe stereo multiplex FM tuner! All solid-state circuitry uses 34 transistors, 4 nuvistors and 26 diodes. 60-watt amplifier section utilizes rugged silicon output transistors and massive extruded heat sinks to handle the most extreme dynamics in music with striking clarity. Silver-plated front-end for high sensitivity; silicon IF transistors for stable, wideband performance. Has automatic electronic stereo switching with front-panel stereo indicator—goes into stereo mode as soon as multiplex broadcast is received. Full array of controls and inputs for every program source. Magnetic phono input has 3-position switched sensitivity (3, 6 and 9 mv). Includes full tape mon facilities that let you listen to a recording as it's being Has front-panel headphone jack for private listening trols: tape monitor; compensator; balance switch; s on/off/remote; mode switch; input selector; plus lou bass and treble—all 3 dual-friction clutched type signal-strength meter for accurate station tuning 5½x15½x13½". Less case, below. For 110-120 cycle AC. Shpg. wt., 25 lbs.
72 U 734 MX. *$16 Monthly*. 31
72 U 001 MX. Metal Case. Simulated leather. 5 lbs. .
72 U 002 MX. Wood Case. Oiled walnut. 6 lbs. . . . . .

WRITE TO ALLIED

SPECIAL SAVINGS WHEN YOU BUY YOUR MUSIC SYSTEM AT ALL

See pages 104, 105, 107 and 109 for systems featuring Scott componen select a system yourself. Write our Hi-Fi Division for a money-saving

ality Stereo Components from SCOTT

ER DELUXE PERFORMANCE AND ATTRACTIVE STYLING AT MODEST COST

SCOTT.
SOLID STATE STEREO AMPLIFIER
TAPE MONITOR
SCRATCH FILTER
COMPENSATOR
LOUDNESS
BASS
TREBLE
BALANCE
SPEAKERS

SPECIFICATIONS
Power Output: 25 watts IHF each channel; 20 watts RMS each chan.
Response: ±1 db, 20-20,000 cps.
Harmonic Distortion: under 0.8%.
Hum and Noise: 80 db down.
Output: 4, 8, or 16 ohms each channel; front-panel headphone jack; tape recording jacks.

$169⁹⁵ less case $9 monthly

NEW! Model 299T Solid-State 50-Watt Stereo Hi-Fi Amplifier

tly engineered unit provides the superb advantages id-state reproduction at surprisingly modest cost. a full 50 watts of flawless high-fidelity sound. ins all controls and facilities for complete enjoyment h stereo and monophonic program sources. Features e direct-coupled output circuitry with silicon transisthere are no audio transformers to compromise beauty. You hear the strikingly clear and pure sound nly an ultra-reliable, solid-state amplifier can pro-Has front-panel headphone jack for private listening stereo headset. Controls include: Mode Switch; Tape Monitor; Scratch Filter; Compensator; Loudness On/Off; Input Selector (Tape Head, Phono, Tuner, Extra); Dual friction-clutched Bass and Treble; Balance Control; Balance Switch. Has tape recording outputs unaffected by volume or tone control settings. Inputs for tape head, tuner, magnetic phono and auxiliary sources. 5¼x15½x12". Handsomely styled in gleaming brass. Pilot light. For 110-120 v., 60 cycle AC. 12 lbs.

72 U 730 MU *$9 Monthly*..................**169.95**
72 U 001 MX. Metal Case. Simulated leather. 5 lbs...**11.85**
72 U 002 MX. Wood Case. Oiled walnut. 6 lbs.......**20.82**

Model 350D Stereo FM Tuner

y acclaimed stereo tuner features cascode RF, s, 2 limiters and 2-mc detector bandwidth for ex- reception. "Auto-Sensor" automatically detects plex broadcasts and switches to stereo mode; front- indicator light signals stereocasts. Switch converts eye to multipath distortion indicator—by rotating na, you tune out distortion caused by bounced and ed FM signals. Slide-rule dial; tape output jack. **IHF vity:** 2.3 µv. **Signal-to-Noise Ratio:** 60 db. **Separation:** . **Capture Ratio:** 6 db. 5½x15½x13½". Less case, . For 105-125 v., 50-60 cycle AC. 14 lbs.

537 MU. *$9 Monthly*......................**169.95**
001 MX. Metal Case. Simulated leather. 5 lbs....**11.85**
002 MX. Wood Case. Oiled walnut. 6 lbs.......**20.82**

Model 233 66-Watt Stereo Hi-Fi Amplifier

Value leader in performance and features. Has separate bass and treble controls for each channel; channel balance; loudness/volume; derived-power center channel for 3rd or remote speaker; headphone jack; complete tape recording and monitoring facilities. Massive output transformers for powerful bass; DC on preamp tubes and all-aluminum, heat-dissipating chassis for minimum hum; subsonic cutoff filter. **Power Output:** 33 watts IHF each channel. **Response:** ±1 db, 20-20,000 cps. **Harmonic Distortion:** 0.8%. **Hum and Noise:** 80 db down. 5¼x15½x13¼". Less case, below. For 110-120 v., 60 cycle AC. 28 lbs.

72 U 525 MU. *$8 Monthly*......................**159.95**
72 U 001 MX. Metal Case. Simulated leather. 5 lbs....**11.85**
72 U 002 MX. Wood Case. Oiled walnut. 6 lbs.......**20.82**

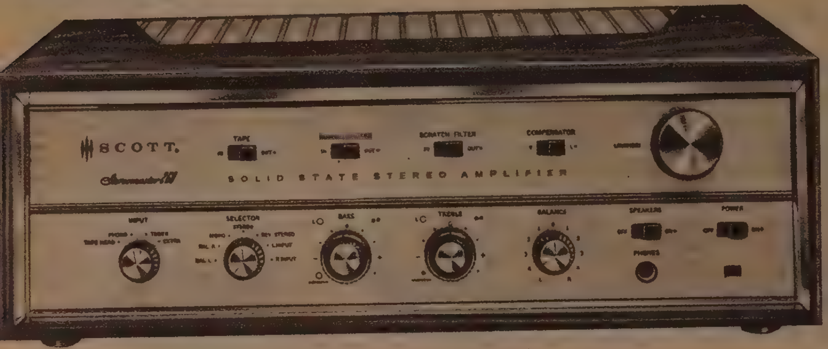
Model 340B Deluxe 70-Watt Stereo FM Receiver

erforming FM section has silver-plated front-end; le RF stage; 3 IF's; 2 limiters; and 2-mc detector vidth. "Auto-Sensor" detects multiplex broadcasts, atically switches to stereo mode—panel light visually tes stereo. Has planetary dial-drive; tuning meter. p has full array of controls, inputs and outputs for gram sources. Mighty 70-watt amplifier has mini-distortion; center-channel output for 3rd or remote r; headphone jack. **Power Output:** 35 watts IHF each el. **Response:** ±1 db, 20-20,000 cps. **Harmonic Dis-** 0.8%. **Hum and Noise:** 80 db down. **IHF Sensitivity:** . **Separation:** 30 db. **Signal-to-Noise Ratio:** 60 db. e **Ratio:** 6 db. 5½x16¾x16" Less case, below. For 0 v., 60 cycle AC. 36 lbs.

46 MU. *$15 Monthly*.....................**289.95**
06 MX. Metal Case. Simulated leather. 7 lbs.....**15.25**
07 MX. Wood Case. Oiled walnut. 8 lbs.......**25.45**

70-Watt Stereo Amplifier and Stereo Multiplex FM Tuner

SCOTT Solid-State Stereo Component



FULL
100
WATTS

$237 95
less
case

$12 monthly

Shown in
Wood Case

Model 260 100-Watt Solid-State Stereo Control Amplifier

- Ultra-Reliable Solid-State Circuitry Delivers Music with Startling Realism
- All the Traditional Advantages of Famous Scott Hi-Fi Engineering Know-How

Gives you fingertip command of 100 watts of IHF music power to recreate music with all the timbre and natural presence of the original performance. Ultra-reliable solid-state circuitry, with massive heat sinks and heavy printed circuit boards, produces even the most powerful symphonic passages with spectacular clarity, realism and brilliance. The massive power supply easily delivers high power surges when the music demands it. Front panel offers full complement of controls and switches for flexible command of every stereo and mono source in your music system including complete tape recorder input and output facilities. Controls include: 4-position input selector; 7-position mode selector; dual concentric bass and treble; balance; loudness; switched tape monitor, rumble and scratch filters, loudness/volume compensator, remote/main speakers and power on-off. Also has front-panel stereo headphone jack and 2 convenience AC outlets. Size, 5¼x15½x13¼". Less case, listed below. For operation from 105-120 v., 60 cycle AC. Wt., 21 lbs. Shipped express.

72 U 728 MU. *$12 Monthly*..**237.95**
72 U 002 MX. Wood Case. Oiled walnut finish. Wt., 5 lbs...............**20.82**
72 U 001 MX. Metal Case. Brown simulated leather finish. 5 lbs..........**11.85**

SPECIFICATIONS

Power Output: 100 watts IHF, 5
watts per channel; 160 watt
peak. 37½ watts per channel continuous sine wave. **Response:** ±
db, 20-20,000 cps. **Harmonic Dis**tortion: less than 0.8%. **Hum an**
Noise: magnetic phono, −55 db
tape head, −52 db; tuner an
auxiliary, +75 db. **Stereo Input**
tape head, magnetic phono, aux.
tape monitor. **Input Sensitivity**
tape head, 2 mv; magnetic pho
no, 3, 5 and 9 mv; tuner and aux.
.5 volt. **Stereo Outputs:** 4, 8, 1
ohms; tape recording; head
phones. **Semi-conductors:** 22 tran
sistors, 9 diodes.

Transistorized

To Bring You Vivid Reception of Stereo FM

$211 95
less
case

$11 monthly

Shown in
Wood Case

SCOTT
FUNCTION
SELECTOR
METER
STEREO
TAPE

Model 312B Solid-State Stereo FM Tuner

- Incorporates 35 Solid-State Devices for Super-Sensitive FM Reception
- Features Handy Front-Panel Tape Output Jack for Simplified Recording

A spectacular performer with any stereo system! Up-to-date circuitry incorporates 16 transistors, 19 diodes and 4 nuvistors to bring you outstanding, super-sensitive reception of stereo programs. "Time Switching" multiplex circuitry provides excellent channel separation for realistic stereo dimension. Exclusive "Auto-Sensor" circuit automatically indicates and switches over to stereo mode whenever you tune a station broadcasting in stereo. Front-panel features: 2-position stereo noise filter selector, 2-position stereo automatic/mono mode selector, switched precision signal strength/tuning meter and convenient tape output jack. Dual channel level controls on rear panel. 5¼x15½x13¼". Less case, below. For 110-120 v., 50-60 cycle AC. Wt., 16 lbs.

72 U 727 MU. *$11 Monthly*..**211.95**
72 U 002 MCX. Wood Case. Walnut or mahogany—*specify.* 5 lbs.........**20.82**
72 U 001 MX. Metal Case. Brown simulated leather finish. 5 lbs..........**11.85**

SPECIFICATIONS

Sensitivity: 1.9 μv. **Frequency R**
sponse: ±1 db, 30-15,000 cp
Selectivity: 45 db. **Harmonic Disto**
tion: 0.8% at 100% modulatio
Stereo FM Channel Separation: 4
db. **Signal-to-Noise Ratio:** 65 d
Drift: less than .02%. **Captu**
Ratio: 2 db. **Cross Modulation R**
jection: 80 db. **Hum:** −70 d
Stereo Outputs: two high imp
dance to amplifier, two low im
pedance to recorder.

eluxe Stereo Component Kits by SCOTT

"Scott-Kits" let you build renowned Scott quality into a stereo component yourself—and save money while you do it. And it's so easy. You need no special knowledge or tools. Full-color instruction book details each step of the way. Critical parts are already wired and aligned at the factory.

$169.95 less case
$9 monthly

LK-60 100-Watt Solid-State Stereo Amplifier Kit

-to-assemble kit version of the deluxe Scott 260 100- solid-state stereo amplifier featured on left-hand fac- age. Saves you money off the cost of factory assembly, ives you the same high-quality Scott standard of ex- nce. Front-panel Speaker Power meter. See description odel 260 on facing page for features and specifications X-60. 5¼x15½x13¼". Less case. For 105-120 v., 50-60 AC. Wt., 21 lbs. Express.

729 **MU.** *$9 Monthly*.......................... **169.95**
002 MX. Wood Case. Oiled walnut. 5 lbs........ **20.82**
001 MX. Metal Case. Brown finish. 5 lbs........ **11.85**

LK-72B 80-Watt Stereo Amplifier Kit

gned to make you a kit-building success—and a happy o hi-fi listener. 80 watts IHF to fill any room with the c of wonderfully "live" music. Front controls: tape/ o equalization switch, tape monitor, 3-position input tor, 7-position function selector, dual concentric bass treble, center-channel level, volume/loudness switch, ace and loudness. **Response:** ±1 db, 20-20,000 cps. **Dis- n:** 0.8%. **Hum:** −80 db. **Impedances:** 4, 8, 16 ohms. 15½x13¼". Less case. For 105-125 v., 50-60 cycle AC. s. Express.

515 MU. *$7 Monthly*.......................... **134.95**
002 MX. Oiled Walnut Wood Case. 5 lbs. **20.82**
001 MX. Metal Case. Brown finish. 5 lbs........ **11.85**

LK-48B 48-Watt Stereo Amplifier Kit

s and performs like a factory-built Scott amplifier. ers ±0.5 db, 20-20,000 cps response for clean repro- on of even the most subtle orchestral passages. Front- l features tape/phono equalization switch, tape input h, scratch filter switch, speaker off-on switch, vol- /loudness switch, 3-position input selector, 7-position ion selector, dual concentric bass and treble controls, ice, loudness/power on-off switch and stereo head- e jack. **Harmonic Distortion:** 0.8%. **Hum:** −80 db. **Im- nces:** 4, 8, 16 ohms. 5¼x15½x13¼". Less case, same r LK-72B above. For 105-125 v., 50-60 cycle AC. Shpg. 29 lbs. Express.

513 MU. *$6 Monthly*.......................... **116.95**

C LT-110B Stereo FM Tuner Kit

ed with "Scott-Kit" features for easiest assembly— d with Scott quality for sparkling reception of stereo mono music. "Time Switching" multiplex circuitry es realistic stereo separation; "Sonic Monitor" sounds when you tune a stereo broadcast. Front panel has c Monitor/listen switch, 5-position function selector, output jack, noise filter switch, D'Arsonval tuning r, vernier tuning and switchable AGC. **Sensitivity:** 2.2 **eparation:** 30 db. 5¼x15½x13¼". Less case, same as K-72B above. For 105-125 v., 50-60 cycle AC. Wt., s. Express.

514 MU. *$6 Monthly*.......................... **116.95**

$161.95 less case
$9 monthly

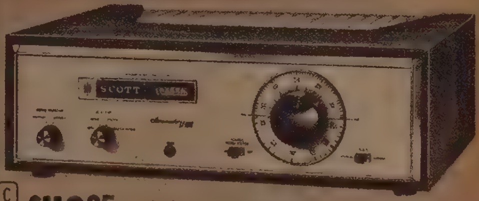
New LT-112 Solid-State Stereo FM Tuner Kit

Build the LT-112, and get all of the deluxe performance features of the superb Scott 312B solid-state stereo FM tuner (see left-hand facing page) at a substantial savings. Same fine Scott quality, same super-sensitive reception for vivid stereo FM. For full description, see Model 312B on facing page. Size, 5¼x15½x13¼". Less case, below. For 110-120 v., 50-60 cycle AC. Shpg. wt., 13 lbs.

72 U 726 MU. *$9 Monthly*.......................... **161.95**
72 U 002 MX. Oiled Walnut Wood Case. Shpg. wt., 5 lbs. **20.82**
72 U 001 MX. Metal Case. Brown finish. 5 lbs........ **11.85**

A **$134.95** less case $7 monthly Shown in Wood Case

B **$116.95** less case $6 monthly Shown in Wood Case



C **$116.95** less case $6 monthly Shown in Wood Case

Pages 104, 105, 107 and 109 for Scott Stereo Systems

SCOTT Special Stereo Component Buy

Special Purcha

Made Possible By
Allied's Giant
Purchasing Power

$149 95 less case

$8 monthly

Model 299-C 80-Watt Stereo Hi-Fi Amplifier

Long a favorite with hi-fi enthusiasts everywhere, the popular 299-C has every feature necessary to provide unexcelled listening enjoyment. And, Allied's huge buying power, makes it easy for you to own it. Massive output transformers assure authentic low frequency reproduction with minimum distortion. Aluminum chassis rapidly dissipates heat, and DC on preamplifier tube filaments reduces hum to a virtually inaudible level. Subsonic filter (below 20 cps) prevents power waste due to rumble, off-center records or acoustic feedback. Includes complete tape recording facilities: recorder output; recorder input; tape monitor switch for checking recording as it is being made; NAB compensation for direct connection of playback heads. Total command control panel has: 7 switches; 6 controls including dual clutch-type bass and treble for each channel, stereo selector, input selector, balance and on-off/volume/loudness level. 4⅝x15¼x13¼". Less case, below. For 105-125 v., 50-60 cycle AC. Wt., 30 lbs.

72 U 026 MU. *$8 Monthly*	**149.95**
72 U 001 MX. Metal Case. Simulated-leather finish. 5 lbs.	**11.85**
72 U 002 MX. Wood Case. (Illus.) Oiled walnut finish. 5 lbs.	**20.82**

299-C AMPLIFIER SPECIFICATIONS

Rated Power Output: 80 watts IHF; 32 watts per channel continuous sine wave.
Frequency Response: ±1 db, 20 to 20,000 cycles per second at rated power.
Harmonic Distortion: 0.8%.
Intermodulation Distortion: 0.5 %.
Input Sensitivity: 3 millivolts on Mag. Phono and Tape Head inputs; 9 millivolts on optional Mag. Hi-Phono input.
Hum and Noise: –80 db.
Subsonic Cutoff Filter: below 20 cps.
Outputs: 4, 8, and 16-ohms on each channel; powered center channel; high-impedance for stereo taping; and front-panel jack for stereo headset.
Inputs: 5 pairs plus tape monitor.
Tube Complement: 4—7591, 2—6U8, 4—12AX7; 5AR4 Rectifier.

Special Purchase

Uncompromising
Performance
At A Low,
Low Allied Price

$139 95 less case

$7 monthly

Model 350B Stereo FM Tuner

Tremendous value in a wideband stereo multiplex FM tuner! Gives you unparalleled frequency response and dynamic range. Silver-plated front-end provides excellent sensitivity. Amazingly low distortion and noise—even on weak signals. Drift-free circuit requires no AFC; balanced detector virtually flat response. "Sonic Monitor" helps you quickly locate stations broadcasting stereo programs—merely "tune to the tone." Subcarrier noise filter for effective quieting without affecting frequency response or channel separation. Includes vernier tuning with illuminated dial; tuning meter; output level controls. 5¼x15½x13¼". Less case, below. For 105-125 v., 50-60 cycle AC. Shpg. wt., 13 lbs.

72 U 228 MU. *$7 Monthly*	**139.95**
72 U 001 MX. Metal Case. Simulated-leather finish. 5 lbs.	**11.85**
72 U 002 MX. Wood Case. (Illus.) Oiled walnut finish. 5 lbs.	**20.82**

350B TUNER SPECIFICATIONS

Usable IHF Sensitivity: 2.2 microvolts.
Signal-to-Noise Ratio: 60 db.
Capture Ratio: 6 db.
Spurious Response Rejection: 80 db.
AM Suppression: 55 db.
Selectivity: 35 db.
Hum and Noise: 66 db below 1 volt.
Stereo Separation: 30 db.
Frequency Response: ±1 db, 30 to 15,00 cycle per second.
Harmonic Distortion: 0.8%.
Drift: .02%
Tubes: 1—6BS8, 1—6U8, 3—6AU6, 1—12AT7, 2—12AU7, 1—6BL8; 11 diode selenium rectifier.

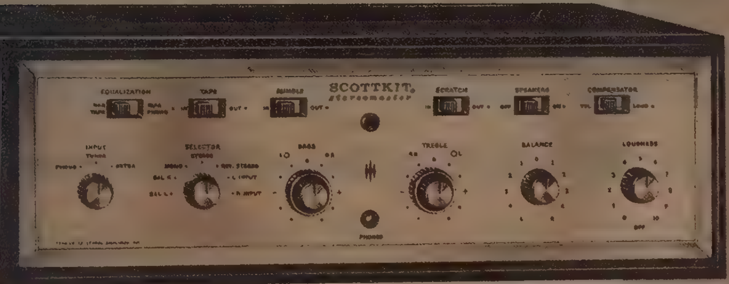
You Get the Best in Stereo Components for Less at Alli

Top Stereo Kit Values from SCOTT

SCOTT KITS ARE EASY TO BUILD—HERE'S WHY:

- t-Pak Container Is Work Area
- re Cut/Stripped to Proper Length
- tailed, Full-Color Instructions
- Critical Circuits Pre-Wired, Aligned
- Mechanical Parts Riveted to Chassis
- Protectively Packaged Quality Parts

SPECIAL PURCHASE
Deluxe Scott Kits at Lowest Price Ever



Renowned Scott Quality and Precision Design—Develops a Full 80 Watts Power

$119.95 less case

$6 monthly

lodel LK-72A 80-Watt Stereo Hi-Fi Amplifier Kit

mble this modestly-priced Scott amplifier kit yourself . . . then, sit back enjoy stereo equal or superior to the deluxe factory-built amplifiers. Full y of controls and inputs gives you complete command of every sound ce. Massive output transformers, built to exacting specifications, deliver ptional low-frequency response. Conservatively-rated components are for long life and top performance at full power. DC on preamplifier filaments for minimum hum. Also features: bias and hum adjustments; ch filter; tape monitor; balance control; loudness; separate bass and e controls for each channel. Size, 4⅝x15¼x12½". With all parts, wire, assembly instructions. Less case, below. For 105-125 v., 50-60 cycle AC. g. wt., 33 lbs.

529 MU. *$6 Monthly*.................................... **119.95**
001 MX. Metal Case. Brown simulated-leather finish. 5 lbs....... **11.85**
002 MX. Wood Case. (Illustrated.) Oiled walnut finish. 5 lbs..... **20.82**

LK-72A AMPLIFIER KIT SPECIFICATIONS

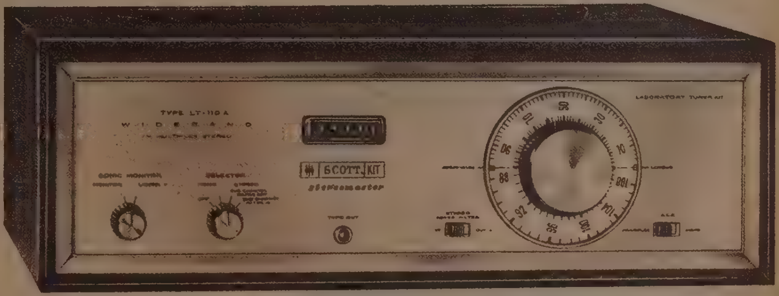
Rated Power Output: 80 watts IHF; 35 watts per channel continuous.
Response: ±1 db, 20 to 20,000 cps.
Harmonic Distortion: 0.8%.
I.M. Distortion: 0.5%.
Hum Level: —80 db.
Sensitivity: Phono Low, 3 mv; Phono High, 9 mv; Tape Head, 3 mv.
Subsonic Cutoff Filter: below 20 cps.
Outputs: 4, 8, and 16-ohms per channel; powered center channel output; high-impedance stereo taping.
Tubes: 13, plus selenium rectifier.

Special
urchase

-Plated Front-
and Multiplex
on Are Factory
abled, Wired
Perfectly
ed for Finest
rmance

99.95 less case

5 monthly



Model LT-110A Stereo FM Tuner Kit

y all the advantages of famous Scott performance in economical do-it-self kit form. The LT-110A tuner brings you superb wideband FM ramming as well as the amazing realism and full beauty of stereo multi- FM. Circuitry features 3 stages of IF, 2 limiters and 2-mc detector width plus illuminated tuning meter. Factory assembled, mounted and ed silver-plated cascode RF front-end for maximum sensitivity; time-hing multiplex circuitry for best separation and flawless off-the-air o tape recording. "Sonic Monitor" for positive FM stereo indication; nds you to switch your audio system to stereo reproduction. Size, 15¼x12½". With all parts, wire, easy-to-follow instructions. Less case, v. For 105-125 v., 50-60 cycle AC. Shpg. wt., 18 lbs.

530 MU. *$5 Monthly*.................................... **99.95**
001 MX. Metal Case. Brown simulated-leather finish. 5 lbs....... **11.85**
002 MX. Wood Case. (Illustrated). Oiled walnut finish. 5 lbs..... **20.82**

LT-110A TUNER KIT SPECIFICATIONS

Usable IHF Sensitivity: 2.2 µv.
Signal-to-Noise Ratio: 60 db.
Capture Ratio: 6 db.
Spurious Response Rejection: 80 db.
AM Suppression: 55 db.
Selectivity: 35 db.
Hum and Noise: 66 db below 1 v.
Stereo Separation: over 35 db.
Frequency Response: ±1 db, 30 to 15,000 cycle per second.
Harmonic Distortion: 0.8%.
Drift: 0.02%.
Tubes: 9, plus 11 diodes and selenium rectifier in power supply.

Your Scott Stereo Components on Allied's Credit Plan

harman kardon

The Latest in Solid-State Engineering . . . Tubeless Circuit Brings You Dazzling Stereo Realism!

$\$245^{65}$ less case

$13 monthly

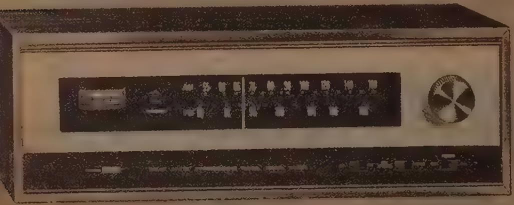
New! Solid-State SR400 36-Watt Stereo FM-AM Receiver

Total up the features of the new "Stratophonic" SR400, and then check the price. You get a tremendous value for your money. You get stereo music reproduction with startling definition and transparency. You get advance-engineered 100% solid-state circuitry with instant operation . . exceptional reliability . . cool operation. The frequency response extends beyond the audio spectrum, and is virtually flat. You get both FM *and* AM reception with exceptional sensitivity. And functional styling makes the SR400 a fine decorative piece for your room, as well as a superb stereo receiver. Offers plenty of power—18 continuous watts per channel (IHF)—more than enough to drive any hi-fi speaker systems. Loaded with features for deluxe performance, the SR400 includes a wide range of front-panel controls: function selector, volume, balance, ganged bass and treble; lo-cut, hi-cut, contour. And the SR400 has two convenience AC outlets, phono input, tape recorder and two auxiliary inputs. Flywheel tuning and lo scale indicator, plus D'Arsonval tuning meter let y zero-in on all stations quickly and easily. A special indicat light flashes on to signal whenever an FM station is stere casting. **Frequency Response:** (±1 db) 10 to 23,000 cps full rated power. **Sensitivity:** FM, 2.9 μv (IHF); AM, 5 per meter. **Harmonic Distortion:** less than 1.0%. **Hum a Noise Suppression:** −90 db. **Damping Factor:** 25:1. **Squa Wave Rise Time:** 5 μsec. **Image Rejection:** better than 45 d **Spurious Response Rejection:** better than 60 db. **Multipl Channel Separation:** 30 db. **Impedance:** 4-16 ohms. Brov and white front panel. 10½x13¼x4⅜" deep. Less ca below. For 110-120 v., 50-60 cycle AC. 20 lbs.

72 U 183 MU. *$13 Monthly*. **245.6**

WOOD CASE. Oiled Walnut. Shpg. wt., 7 lbs.

72 U 189 MX. . . . .**21.**



A

- **100% Solid-State Circuit**
- **Tuning Meter**
- **30-db Separation for Superb FM Stereo**
- **Stereo Indicator Light**
- **High-Quality AM**

$\$160^{65}$ less case

$9 monthly

B

- **100% Solid-State Circuitry**
- **Compact**
- **Flat from 10-23,000 cps at Full Power**
- **Perfect Match for ST-2000 Tuner Above**

$\$135^{15}$ less case

$7 monthly

A New! ST-2000 Stereo FM-AM Tun

Newly engineered, and incorporating all the lat advances, this superb "stratophonic" tuner provic an unmatched source of both FM stereo, and AI for your music system. Offers all the advantages solid-state circuitry: instant operation, maximum liability, and minimum heat. FM sensitivity is rat at 2.9 μv (IHF). Excellent selectivity and rejecti of unwanted signals ensure best reception of t station you tune. D'Arsonval tuning meter, in co junction with flywheel tuning and log-scale indicat permits fast zeroing in on any station. Convenie indicator light flashes on immediately to let y know when a stereo FM signal is transmitted. Cha nel separation is a full 30 db, which means that y enjoy maximum stereo realism. Decorative fro panel styled in brown and white. Size, 4⅜x13 10½". Less case, below. For 110-120 volts, 50- cycle AC. Shpg. wt., 9 lbs.

72 U 182 MU. *$9 Monthly*. **160.6**

72 U 190 MX. Oiled Walnut Case. Wt., 5 lbs. **21.**

B New! SA-2000 36-Watt Amplifie

A "stratophonic" amplifier capable of deliveri stereo music with wonderful realism. Provides co tinuous 18 watts of power per channel (IHF), a the benefits of solid-state circuitry: immediate o eration, very little heat throw-off, and exceptio dependability. On the front panel: volume, balan ganged bass and treble controls; contour, lo-cut, cut, tape-monitor, and speaker-defeat switch stereo headphone jack. Boasts 2 AC convenie outlets, phono input, tape recorder input, and 2 a inputs. Response, 10-23,000 cps (±1 db) at rat power. **Harmonic Distortion:** less than 1.0%. **Hum o Noise:** −90 db. **Damping Factor:** 25:1. **Square-W Rise Time:** 5 μsec. **Impedance:** 4-16 ohms. Brown a white panel. 4⅜x13¼x8¾". Less case, below. F 110-120 v., 50-60 cycle AC. 9 lbs.

72 U 181 MU. *$7 Monthly*. . . . .**135.**

72 U 190 MX. Oiled Walnut Case. 5 lbs. . . . . . . **21.**

harman kardon

Deluxe Solid-State Circuit Achieves a New Dimension in Stereo Realism!

$296⁶⁵ less case

$15 monthly

Deluxe Solid-State SR600 50-Watt Stereo FM Receiver

ng the middle price range of Harman-Kardon's new
phonic" receiver series, the SR600 is an outstanding
r the music listener who demands distinctly superior
ance for his money. Features an all-solid-state cir-
t spans the full audio range spectrum with a vir-
at response. FM sensitivity is 1.95 μv (IHF), for
t stereo reception even from weak stations. De-
watts of continuous power per channel (IHF). Ad-
solid-state circuit offers instant play, cool operation,
eptional reliability. Full array of front-panel con-
es you command of every stereo and monophonic
Convenient fingertip switches for contour, tape
(to hear what you're recording), hi and lo-cut
one-control defeat, and FM inter-station muting.
ontrols include lighted pushbutton on-off switch
-it-and-forget-it" volume adjustment, treble and
each channel, function selector, volume, speaker
system selector, balance and headphone jack. D'Arsonval meter ensures fast, precise tuning of stations . . simply tune for maximum meter deflection. Special stereo indicator light flashes on when a stereocast is received, and the SR600 automatically switches to stereo mode. **Harmonic Distortion:** less than 1.0%. **Hum and Noise:** −90 db. **Damping Factor:** 30-1. **Square-Wave Rise Time:** 3 μsec. **Image Rejection:** better than 75 db. **Multiplex Channel Separation:** 35 db. **Frequency Response:** ±1 db, 8 to 40,000 cps at full rated power. **Impedance:** 4-16 ohms. Handsome white and brown front panel imparts a decorator touch to any room. Size, 5x16¼x11¾". Less wood case, below. For 110-120 volts, 50-60 cycle AC. Shpg. wt., 26 lbs.

72 U 186 MU. *$15 Monthly*. **296.65**

WOOD CASE. Oiled Walnut. Shpg. wt., 10 lbs.

72 U 208 MX. **25.46**

Cases Optional

R900 75-Watt Stereo FM Receiver

4⁶⁵

onthly

- Harman-Kardon's Finest Stereo FM Receiver
- 5 to 60,000 cps at Full Rated Power
- 40-db Separation • Every Control

-Kardon's best receiver, the solid-state "strato-
SR900 has been engineered to provide you with
agnificent stereo music with breathtaking concert-
ism. FM sensitivity, obtained with an all-transistor
d, is an astonishing 1.85 μv (IHF). Delivers 37½
power per channel (IHF), and has a flat response
60,000 cps (±1 db) at full rated power. Distortion
ally unmeasurable. Has all the controls described
r the SR600, to ensure extraordinary audio flexibil-
monic Distortion: less than 0.2%. **Hum and Noise:** −95
ping Factor: 40:1. **Image Rejection:** better than 70 db.
Response Rejection: better than 85 db. **Multiplex**
Separation: 40 db. **Impedance:** 4-16 ohms. Brown
te front panel. 5x16¼x11¾" deep. Less case, below.
ration from 110-120 volts, 50-60 cycle AC. Shpg.
lbs.

4 MU. *$17 Monthly*. **364.65**

8 MX. Oiled Walnut Case. 10 lbs. **25.46**

SR300 36-Watt Stereo FM Receiver

$220¹⁵

$12 monthly

- Automatically Switches to Stereo Reception
- Tuning Meter • Wide Array of Controls
- Solid-State Circuitry at a Modest Price

Lowest cost "stratophonic" receiver is high in performance and features. You'll find its continuous 18-watt-per channel output (IHF), and 10-to-23,000-cps frequency response at full rated power, two big pluses in value, among many others. Front-panel controls: hi and lo-cut filters, tone, contour, treble, bass, balance and function. Also a stereo indicator light that flashes on to indicate stereocast coming in, while the receiver switches automatically to stereo reception. D'Arsonval meter for quick, precise tuning. **Harmonic Distortion:** less than 1.0%. **Hum and Noise:** −90 db. **Damping Factor:** 25:1. **FM Sensitivity:** 2.9 μv (IHF). **Image Rejection:** better than 40 db. **Multiplex Channel Separation:** 30 db. **Square-Wave Rise Time:** 5 μsec. **Spurious Response Rejection:** better than 60 db. Brown and white front panel. Size, 4½x14½x9¾" deep. Less wood case, below. For 110-120 volts, 50-60 cycle AC. Shpg. wt., 14 lbs.

72 U 187 MU. *$12 Monthly*. **220.15**

72 U 188 MX. Oiled Walnut Case. 10 lbs. **21.20**

dynakit

Quality-Crafted Hi-Fi Componen

PAS-3 Stereo Preamplifier Kit

Kit Form **$62.95** $5 monthly

- Complete Control Facilities
- 10-40,000 cps Response
- All Printed Circuit Wiring Has Been Done at Factory

PHONO
TAPE HEAD
SPECIAL
PAN-AMP
VOLUME
STEREO
MONO
BALANCE
DYNA STEREO PREAMPLIFIER
TAPE
INPUT
LOUDNESS
OFF
FILTER
OFF
POWER

Precision-engineered stereo preamp offering complete control facilities to put you in command of any conceivable stereo or mono music system source. A perfect companion for the "Stereo 70" (next page), or any other high-quality basic amplifier. Delivers excellent transient response, instantaneous recovery from overload. Critical circuitry is factory-assembled on 2 printed circuit boards—reduces your assembly time to about 8 hours. Features "Dyna Blend" for variable channel separation; DC-powered
filaments; 4 AC convenience outlets. Controls: 6-po
input selector; mode selector; balance; separate bas
treble for each channel; volume; switched tape mo
loudness, filter and on-off. **Response:** ±0.5 db, 10-4
cps. **IM Distortion:** less than 0.05% at 2-v. output. 4x1
With brown case. For operation from 110-120 v.,
cycle AC. Shpg. wt., 11 lbs.
72 U 591 MX. *$5 Monthly*.........................6
72 U 592 MX. PAS-3A. Above, factory wired.........

DYNA FM TUNER
STEREO
VOLUME
POWER
OFF

A

Accommodates Every Stereo or Mono Source

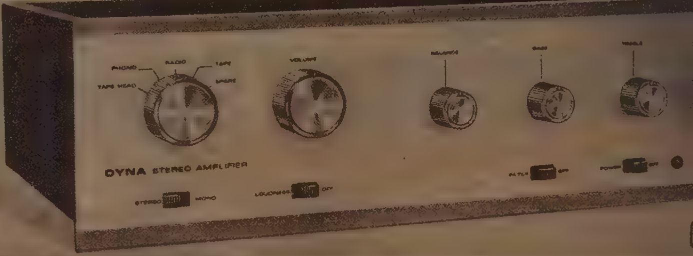
Kit Form

$89.95 $5 monthly

Outstanding Stereo FM Reception at Low Price

Kit Form

$89.95 $5 monthly



A FM-3 Stereo Multiplex FM Tuner Kit

- Lifelike Stereo Reproduction at an Exceptionally Low Price
- Excellent Spurious-Signal Rejection • Four IF Stages
- "Stereocater" Lights Up When You Tune a Stereo Broadcast

Magnificently engineered to provide truly natural reproduction, excellent sensitivity, selectivity and channel separation. Convenient "Stereocater" lights up when you tune a station broadcasting in stereo, and automatically switches tuner to stereo mode. Unique alignment procedure assures true laboratory alignment at home without special test equipment. Tuned RF stage and oscillator-mixer use slug-tuned coils for easy and fast front-end alignment. Balanced wideband discriminator. 4 IF stages work as progressive limiters. Planetary drive tuning. **Sensitivity:** 4 µv (IHF). **Channel Separation:** 30 db. 4x13x8". With smartly styled case. For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 13 lbs.
72 U 588 MX. *$5 Monthly*.........................**89.95**
72 U 589 MX. Above, factory wired. *$7 Monthly*....**134.95**

B SCA-35 35-Watt Stereo Amplifier Ki

- Latest Circuit Techniques for Remarkably Pure Sound
- Modern Printed Circuit Design For Speedy Assembly
- Inputs and Controls to Accommodate Every Home Music

Moderately priced high-fidelity instrument brings
to life! Complete control versatility—nine front
controls put you in command of every music system
stereo or mono. Etched circuit and accessible design
assembly a pleasure even for the newcomer. 7 p
inputs, 5 outputs. **Controls:** 5-position input selecto
ume, balance, bass and treble, mode, loudness, filt
on-off. 2 hum-balance controls, 2 AC outlets, center
nel and tape outputs; provision for stereo headphon
Response: ±0.5 db, 20-20,000 cps. **IM Distortion:** les
1% at rated power. **Hum:** 80 db down. **Impedance**
ohms. 4x13x10". With case. For 110-120 v., 50-60 cyc
Shpg. wt., 21 lbs.
72 U 590 MU. *$5 Monthly*.........................
72 U 595 MU. Above, factory-wired. *$6 Monthly*.....

Kit or Factory-Wired Models

dynakit

"Stereo 70" 70-Watt Basic Amplifier Kit

nous high-performance stereo basic amplifier is a rec- favorite among audiophiles. Delivers outstanding music ction across the audio spectrum, from firm, perfectly pass to clean, natural highs. Perfect power companion -3 Stereo Preamp (see left-hand page). Designed for eliability—matched output tubes are operated at only capacity, filter capacitors at less than 85% rated volt- s stereo/mono mode selector switch. Printed circuitry ructions and illustrations cut assembly time to about **Power Output:** 35 watts, continuous, per channel. : ±0.5 db, 10-40,000 cps. **IM Distortion:** less than 1% at er. **Hum and Noise:** more than 90 db below rated output. **ces:** 4, 8, 16 ohms. 6½x9½x13". With deep brown cover. 120 v., 50-60 cycle AC. 31 lbs.

MU. *$5 Monthly*..........................**89.95**
MU. Above, factory-wired. *$6 Monthly*..........**110.45**

EO 35" 35-WATT BASIC AMPLIFIER KIT. Enjoy superb l at low cost with this lower-powered version of the 70." **Output:** 17½ watts, continuous, per channel. : ±1 db, 10-40,000 cps. **Impedances:** 8, 16 ohms. With or 110-120 v., 50-60 cycle AC. 16 lbs.

MX. *$5 Monthly*..........................**53.95**
MX. Above, factory-wired. *$5 Monthly*..........**67.95**

A

"Stereo 70," Kit Form

$89.95

$5 monthly

B **"Stereo 35," Kit Form** **$53.95**

FM-1 C

PAM-1 D

Mark III E

Mark IV F

Monophonic FM Tuner, Preamplifier and Amplifier Kits for Finest Hi-Fi

FM TUNER KIT. 4-μv sensi- . Aligned coils; tune IF's test gear. 4x13x8". Case. 110- 0-60 cycle AC. 12 lbs.

MX. *$5 Monthly*.....**67.45**
MX. Above, wired.....**93.45**
MX. FMX-3 Multiplex Adapter A-1. Wt., 2 lbs..........**26.95**

PREAMP KIT. Requires PS-1 r Supply, below, if used with 35" or non-Dynakit. 2¾x12x e. 6 lbs.

MX. *$5 Monthly*.....**31.45**
MX. Above, wired.....**50.95**

8. PS-1 Power Supply Kit. (Not illus). For one or two PAM-1 Preamplifiers, at left. 2x5x5". For 110-120 v., 50-60 cycle AC. 5 lbs...........**10.75**
72 U 259. Above, wired.........**15.25**

E **MARK III 60-WATT BASIC AMPLIFIER KIT.** Excellent hi-fi companion for PAM-1 preamp, at left. **Frequency Response:** ±0.5 db, 10-60,000 cps. **IM Distortion:** less than 1% at full power. **Hum and Noise:** 90 db below full power. **Impedances:** 4, 8, 16 ohms. 6¾x9x9". With cover. For 110-120 v., 50-60 cycle AC. 28 lbs.

72 U 267 MU. *$5 Monthly*.....**71.95**
72 U 268 MU. Above, wired.....**84.95**

F **MARK IV 40-WATT BASIC AMPLIFIER KIT.** Features latest circuit design techniques, plus premium transformers for pure sound with virtually inaudible noise and distortion. Etched circuit construction, with major components pre-wired and pre-mounted on chassis, saves you building time. **Response:** ±0.5 db, 10-40,000 cps. **IM Distortion:** less than 1% at full power. **Hum and Noise:** 90 db below rated power. **Imp.:** 4, 8, 16 ohms. 6½x 14x5". With cover. For 110-120 v., 50-60 cycle AC. 19 lbs.

72 U 265 MU. *$5 Monthly*.....**53.95**
72 U 266 MU. Above, wired.....**67.95**

Components for the Ultimate in Stereo by marantz

L 10B STEREO FM TUNER. Utilizing the most advanced techniques, similar to those used in telemetry and communications, the 10B is the ultimate FM tuner. itivity for better than 35 db quieting provides cleanest signal, even in fringe areas. 6 IF stages, 9 limiters, ultra- l detector, automatic mode-switching stereo indicator, pe tuning meter. 5½x14⅜x15". Less case, below. For ., 50-60 cycle AC. Shpg. wt., 35 lbs.

MU. *$25 Monthly*..........................**600.00**
MX. Oiled Walnut Wood Case. 10 lbs...............**36.00**

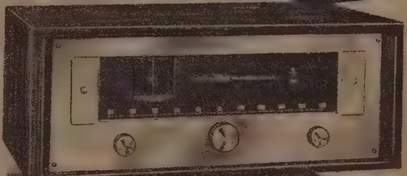
L 7 STEREO PREAMP. Deluxe throughout with finest work- hip. 9 pairs of inputs, 3 pairs of outputs, 8-position selec- sition mode control. **Response:** ±0.2 db, 20-20,000 cps. **tion:** 0.02%. 5¾x15⅜x8½". Less case, below. For 110- 0-60 cycle AC. Shpg. wt., 15 lbs.

MU. *$15 Monthly*..........................**285.00**
MX. Oiled Walnut Wood Case. 9 lbs...............**24.00**

8 70-WATT STEREO BASIC AMPLIFIER. (Not illus.) 18-watt peration per channel for unmatched stereo. ±0.1 db, cps. Distortion less than 0.5%. 4, 8, 16 ohms. 7¼x ½". For 105-125 v., 50-60 cycle AC. 55 lbs.

MZ. *$15 Monthly*. Shipped express............**285.00**
MX. Gold-Finished Perforated Grille. 1 lb..........**10.50**

G



H

EICO

Stereo Receivers, Amplifiers, Tune

Stereo EICO
SELECTOR
MODE
BALANCE
LEVEL
BASS
TREBLE

Eico's Finest
Stereo Amplifier
Kit Form
$99.95
$5 monthly

Popular-Priced Model ST-70K 80-Watt Stereo Amplifier Kit

- Frequency Response Covers Amazing Range of 10-50,000 cps
- Wide Array of Controls Provide Exceptional Audio Flexibility
- Direct Center-Channel Output for Adding Extension Speakers
- Inputs, Outputs and Controls to Accept Every Music So
- Tape Monitor Switch Lets You Hear what You're Recor
- Includes Handsome Metal Case with 3-Color Styling

A conservatively rated, highly flexible stereo amplifier widely respected for its powerful performance and true-to-life sound. Delivers 40 watts of continuous power per channel (IHF), using a proved cathode-coupled phase-inverter circuit preceded by a direct-coupled amplifier. Provision for bias and DC balance adjustment. Feedback phono equalization and Baxandall feedback tone controls assure remarkably pure sound. Controls include: concentric individual bass and treble for each channel, separate level and balance, balance check switch, tape monitor and equalization switches, rumble and scratch filters, and volume/loudness switch. Has stereo inputs with selector switch for tape/auxiliary, tape-head, magnetic cartridge, ceramic phono, FM-AM and tuners. Gray, gold and white panel. 5x15⅞x16″. With metal case. For 110-120 v., 60 cycle AC. Shpg. wt., 47 lbs.

72 U 307 MU. *$5 Monthly* **99.95**

72 U 308 MU. Model ST-70. Same as above, but factory-assembled. Shpg. wt., 47 lbs. *$8 Monthly* **149.95**

SPECIFICATIONS

Output Power: 40 watts per chan
continuous (IHF); 160 watts pe
Distortion: IM, 1% at 80 watts; H
monic, less than 1%. **Frequency**
sponse: 10 to 50,000 cps (±½ d
Hum and Noise Level Per Channel: m
phono, −63 db; tape head, −54
tuners, auxiliaries, −78 db. **Da**
ing Factor: above 11. **Circuit:** 11 tu
and 1 rectifier. **Sensitivity Per Ch**
nel: mag. phono. 4 mv; tape head
mv; tuners, auxiliaries, 0.5 v. **O**
put Impedances: 4, 8, 16 ohms.

ST-40K 50-Watt Stereo Amplifier Kit . . Low-Cost and Easy to Assemble

$79.95
$5 monthly

Very popular medium-power version of the ST
Delivers 25 clean watts per channel (IHF), and 12-
cps (±1 db). Separate pairs of inputs for pream
tape, tape head, 2 magnetic cartridges, 2 pairs of
auxiliary inputs. Has tape monitor switch, separate
and balance controls, balance check switch, scratc
rumble filters, loudness compensation switch. Direc
ter-channel speaker output. Harmonic distortion only
at rated power. 4, 8, and 16 ohms. 5x15⅞x14″. With
case. For 110-120 v., 60 cycle AC. Wt., 38 lbs.

72 U 305 MU. *$5 Monthly* 7

72 U 306 MU. ST-40. Above, factory-assembled.....1

Deluxe Performance . . Model ST-97K FM Stereo Tuner Semi-Kit

$89.95
$5 monthly

- Front End and IF's Preassembled and Aligned
- Four IF Stages and Wideband Ratio Detector
- AFC Defeat Switch
- Double Slide-Rule Dial

Gives you excellent reception of both stereo multipl
conventional FM broadcasts. Fun to assemble, t
critical parts, including front-end and 4-stage IF str
prewired and prealigned at the factory. Ultra-se
front-end features temperature compensation plus
Four IF stages and wideband ratio detector provide
mum selectivity, and wide frequency response.
15-kc interference filters, in wide-separation stereo
plex circuit, ensure clean FM stereo reception.
slide-rule dial has two tuning indicators traveli
tandem to show exact center of each broadcast ch
and to clearly identify stations that are broadcast
stereo. **Sensitivity:** 3 μv (IHF). **Response:** ±1 db, 20-
cps. **Distortion:** 0.6%. **Separation:** 30 db. Cathode fo
outputs. 5⅛x15⅞x11⅜″. With metal case. For 110-
60 cycle AC. 20 lbs.

72 U 309 MU. *$5 Monthly* ....

72 U 310 U. Model ST-97. Factory-assembled..........

Form and Factory Assembled

EICO

Solid-State "Semi-Kit" Simplifies Assembly. All Critical Wiring and Alignment Are Done at the Eico Factory

"Semi-Kit" $219⁹⁵ less case $11 monthly

3566K 75-Watt Stereo FM Receiver "Semi-Kit" with Solid-State Design

he advantages of famous Eico solid-state circuitry: amazing stereo cool and instant operation, and ultra-low noise level. Factory nd alignment of the front end, all 4 IF stages, and multiplex cirake assembly exceptionally easy. Handles strong signals without ding. Time-switching multiplex circuit achieves outstanding separation for thrilling stereo reproduction. Automatically indiereo (with light), and switches to stereo mode. D'arsonval tuner, AFC, interstation muting. Amplifier delivers 37½ watts per (IHF). Controls and inputs for all sources. 5x16½x13¼". Less low. For 110-120 v., 60 cycle AC. 30 lbs.

6 MU. *$11 Monthly*. **219.95**

7 MU. Model 3566. Same as above, but factory-assembled, and e with oiled walnut wood case. *$17 Monthly*. **325.00**

8 MX. Oiled Walnut Wood Case. For Model 3566K. 5 lbs... **14.95**

SPECIFICATIONS

FM TUNER SECTION. Sensitivity: 2.0 µv for 30 db quieting. **Harmonic Distortion:** 0.5% (IHF). **Channel Separation:** 38 db. **Signal-to-Noise Ratio:** 60 db.

AMPLIFIER SECTION: Output (IHF): 112 watts, 4 ohms; 75 watts, 8 ohms. **Response:** ±1 db, 5-60,000 cps. **Power Bandwidth:** 20-20,000 cps at 25 watts, 0.5% distortion. **Harmonic Distortion:** 0.15% at 25 watts. **IM Distortion:** 2% at 60 watts. **Hum and Noise:** –70 db phono; –80 db aux. **Impedances:** 4, 8, 16 ohms.

Value-Priced Hi-Fi Tuners and Multiplex Adapter

] Low-Cost HFT90AK FM Tuner Kit

kit featuring factory wired and aligned RF circuit, aligned IF transformers. Easily converted to stereo h MX99 Multiplex Adapter, below. Big slide-rule s effortless flywheel tuning and traveling tuning-eye r. Wideband ratio detector. Stabilized, low-limitshold for weaker signals. Temperature-compensated o prevent drift. **Sensitivity:** 1.5 µv for 20 db quieting. 8¼". Less metal case, below. For 110-120 v., 50-60 C. Wt., 13 lbs.

0 MU. *$5 Monthly*. **39.95**

1 MU. HFT90A. Above, factory-assembled. . . . **64.95**

7 MX. Metal Case. 4 lbs. **3.95**

T92AK Tuner Kit Receives FM and AM

to HFT90AK above, but also brings you outg AM reception. Includes ferrite-rod indoor annd terminals for outdoor antenna. Ready for stereo, d MX-99 Multiplex Adapter, below. With metal or 110-120 v., 50-60 cycle AC. 15 lbs.

0 MU. *$5 Monthly*. **59.95**

1 MU. HFT92A. Above, factory-assembled. . . . **92.95**

T94AK AM Tuner Kit (Not illustrated)

with features: wide and narrow bandpass, tuned e, tuning eye, whistle filter, and more. With metal or 110-120 v., 50-60 cycle AC. 15 lbs.

3 MU. *$5 Monthly*. **39.95**

4 MU. HFT94A. Above, factory-assembled. . . . **64.95**

99K Self-Powered Multiplex Adapter Kit

nto any FM tuner with multiplex adapter jack. phase-shift circuit." Stereo indicator light. 4x9x ess case. For 110-120 v. 60 cycle AC.

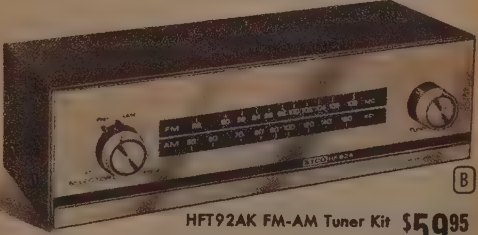
1 MU. *$5 Monthly*. Shpg. wt., 10 lbs. **36.95**

9 MX. MX99. Above, factory-assembled. **59.95**

2 MX. Metal Case. Shpg. wt., 3 lbs. **2.95**

A

HFT90AK FM Tuner Kit *Case Optional* $39⁹⁵ $5 monthly



B

HFT92AK FM-AM Tuner Kit $59⁹⁵ $5 monthly

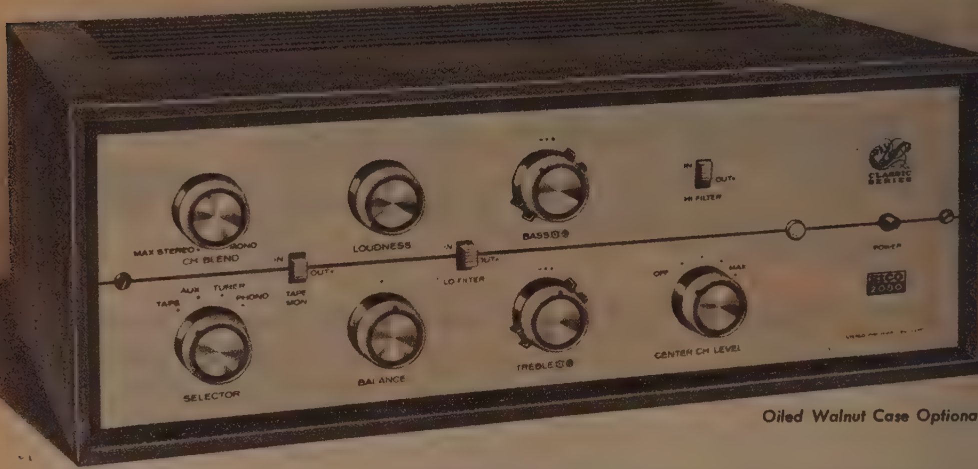
Add STEREO to Your FM Tuner

$5 monthly $36⁹⁵ less case

C

EICO Spectacular Stereo Kit Values

ALLIED'S EXCLUSIVE SPECIAL PURCHASES . . . LOW, LOW PRICES



Oiled Walnut Case Optiona

Model 2080K 80-Watt Stereo Hi-Fi Amplifier Kit

FAMOUS AMPLIFIER IN EICO'S DELUXE "CLASSIC SERIES"

$89.95 less case
$5 monthly

- Complete Facilities for Tape Monitoring
- Center-Channel for 3rd or Remote Speakers
- 12 db per Octave Hi and Lo Filters
- Uses 11 Premium Tubes plus Rectifier
- Blend Control Varies Channel Separation
- Brushed Aluminum Panel in Silver and Go

Allied's exclusive purchase brings you this outstanding amplifier kit at an unusually low price. Superb 80-watt unit is beautifully designed—worthy of the finest stereo hi-fi music system.

Push-pull output circuitry with premium tubes, plus a husky, well-filtered power supply, provide 40-watts per-channel IHF music power for a full 80 watts of stereo output—enough to drive virtually any speaker system to maximum undistorted listening level. Dual concentric, clutch-type bass and treble controls let you adjust the tone of each channel individually or both together. Balance control adjusts each channel to achieve perfect stereo effect from any listening point with any speakers. Blend control varies the amount of channel separation, and parallels channels for reproduction of monophonic music sources. Loudness control adjusts level of both channels simultaneously. And, there are stereo inputs for every conceivable sound source.

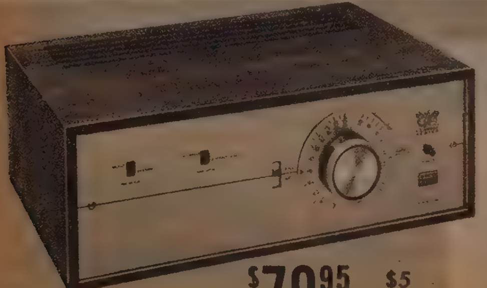
Offers full stereo taping facilities—tape monitor provision allows you to check recordings as they're being made. Tape recorder outputs and tape preamplifier inputs let you record and play back stereo tapes of professional quality. Also: center-channel speaker output with level sw
hi and lo-cut filters; pushbutton on-off switch; conveni
AC outlet. Size, 5⅝x15⅞x13⅝". Brushed alumi
front-panel handsomely finished in silver and gold.
all parts and instructions. Less case, below. For 11
v., 60 cycle AC. Wt., 41 lbs.

72 U 326 MU. *$5 Monthly*..........................89
72 U 603 MX. Oiled Walnut Wood Case. Wt., 7 lbs...

2080K SPECIFICATIONS

Rated Power Output: 80 watts IHF, 40 watts p
channel; 160 watts peak; 70 watts continuous si
wave. **Frequency Response:** ±1 db, 10 to 80,000 c
Harmonic Distortion: 0.5% at 35 watts per channel.
termodulation Distortion: 0.8% at 35 watts per chann
Outputs: 4, 8, 16-ohms each channel; center chann
tape recording. **Inputs:** Magnetic Phono; Tuner; Ta
Auxiliary. **Sensitivity for Rated Output:** 2.5 mv at l
level inputs; 250 mv all others. **Hum and Noise:** 65
below rated output at low level inputs; 85 db at
others. **Tubes:** 2—6EU7; 2—12DW7; 1—ECC83; 2
6FJ7; 4—7591; plus 1—GZ34 rectifier.

2200K "Classic Series" Stereo FM Tuner



less case **$79.95** $5 monthly

Deluxe stereo FM tuner kit, now offered far below its orig
price. A great match for Model 2080K, above. Factory as
bled RF front-end, plus 4-stage IF/limiter and wideband
detector sections are perfectly aligned for finest performance
simplified assembly. Precision aligned multiplex demodu
coils mount on top-grade printed circuit board. Has rotary tu
dial with illuminated readout; bar-type tuning eye; stereo fi
for flawless taping. **IHF Sensitivity:** 3 µv for 30 db quieting; 1
for 20 db. **Capture Ratio:** 3 db. **Separation:** 30 db. Size, 5⅝x1
11⅝". Silver/gold finish panel. With all parts and easy-to-fo
instructions. Less case, below. For 110-120 v., 60 cycle
Shpg. wt., 21 lbs.

72 U 613 MX. *$5 Monthly*..........................79
72 U 603 MX. Oiled Walnut Wood Case. Wt., 7 lbs........1

perb Quality Hi-Fi Components

McIntosh

349^{00} less case

7 monthly

60-Watt All-in-One Stereo Amplifier

- Solid-State Preamp and Vacuum Tube Amplifier
- Facilities for Every Conceivable Input Source
- Built to Meet the Most Exacting Requirements

EL MA230. Masterfully designed, painstakingly crafted to fy the demanding audio connoisseur. Combines the ulti- in solid-state preamps and a magnificent tube-type ampli- o deliver superb stereo with unmatched realism. 30 watts hannel continuous, 44 watts per channel IHF. **Controls:** on-clutch Bass and Treble; Phono Equalization; Tape nal or Monitor; Phase; Speaker On-Off; High and Low rs; Loudness; 6-position Input Selector; 7-position Mode tor. Two headphone jacks. **Response,** +0, −0.5 db,),000 cps. **Harmonic and IM Distortion:** under 0.5% at rated ut. **Imp.:** 4, 8, 16 ohms. 5$\frac{7}{16}$x16x14$\frac{1}{2}$″. Less case, below. 10-120 v., 50-60 cycle AC. 57 lbs. Express.

332 MZ. *$17 Monthly* **349.00**

314 MX. L12WVO Oiled Walnut Case. Wt., 10 lbs.. **29.00**

agnificent
ide-Range
production

C 240

88^{00}

monthly

80-Watt Stereo Basic Amplifier

EL MC240. Totally professional—acclaimed by hi-fi en- asts for superb performance. **Controls:** Stereo/Mono h; Balance; separate gain controls. **Power:** 80 watts con- us (40 watts per channel); **Response:** +0, −0.5 db. 16- 0 cps. **Distortion:** less than 0.5% at rated output, 20- 0 cps (imperceptible to the human ear, even at full power); **and Noise:** −90 db. **Output Impedances:** 4, 8 and 16 ohms. 4x17$\frac{1}{4}$″. Chrome and black. For 105-130 v., 50-60 cycle hpg. wt., 59 lbs. Shipped express.

291 MZ. *$15 Monthly* **288.00**

EL MC75 75-WATT DELUXE MONOPHONIC BASIC AMPLI- (Not illus.) McIntosh's best monophonic basic. Widely in professional applications. Specs similar to MC240. dances: 4, 8, 16, 67, 150, 600 ohms, plus 25 and 70.7 Size, 8$\frac{1}{4}$x8$\frac{1}{4}$x16$\frac{3}{4}$″. For 105-130 v., 50-60 cycle AC. 48 hipped express.

285 MZ. *$12 Monthly* **229.50**

EL MC40 40-WATT MONOPHONIC BASIC AMPLIFIER. (Not Similar to MC240 in appearance. Imp.: 4, 8, 16, 125, 150 00 ohms, plus 25 and 70.7 volts. AC outlet and high-low oltage switch. Size, 7$\frac{7}{8}$x8$\frac{1}{8}$x13$\frac{3}{4}$″. For 105-130 volts, cycle AC. Shpg. wt., 35 lbs.

281 MU. *$8 Monthly* **159.00**

$\$399^{00}$ *case optional*

$18 monthly

Model MR71 Stereo FM Tuner

Best McIntosh tuner—features Multipath indicator that shows distortion caused by reflected signals, enables you to perfectly adjust antenna. Filter prevents subcarrier noise. Automatic stereo switching. Cascode RF; double-tuned inputs before nuvistor first RF. Muting, AFC switches. **Meters:** Signal-Strength, Tuning (D'Arsonval movements); Multipath and Stereo Multiplex (bar-type "eyes"). Five IF stages; two limiters. **Sensitivity:** exceeds 2.5 μv. **Separation:** over 30 db. **Response:** ±0.5 db, 20-20,000 cps. **Distortion:** less than 0.5% at 100% modulation. **Hum and Noise:** more than 70 db below 100% modulation. **Capture Ratio:** 1.5 db. "Panloc" —slide tuner into case, lock by pressing panel buttons. 5$\frac{7}{16}$x16x13″. Less case, fits L12WVO, left below. For 105-125 volts, 50-60 cycle AC. Wt., 34 lbs.

72 U 333 MU. *$18 Monthly* **399.00**

MODEL MR67 STEREO FM TUNER. (Not illus.) Multipath indicator; "Panloc" mounting. 3 indicators: Signal-Strength/Multipath, Tuning, Stereo Multiplex. 4 IF stages; 2 limiters. Cascode RF. **Capture Ratio:** 1.7 db. Muting switch. 5$\frac{7}{16}$x16x13″. Less case, fits L12WVO. 105-125 v., 50-60 cycle AC. 33 lbs.

72 U 319 MU. *$15 Monthly* **299.00**

$\$249^{00}$ less case

$13 monthly

$\$399^{00}$ less case

$18 monthly

A C24 SOLID-STATE STEREO PREAMPLIFIER. Precision 18 transistor unit. **Controls:** Bass; Treble: Equalization; Tape Normal/Reverse; Speaker On-Off; Loudness; 5 Inputs; 7-pos. Mode Selector. **Response:** +0, −0.5 db, 20-20,000 cps. **Distortion:** below 0.1% at rated output. **Hum and Noise:** 110 db below rated output. Headphone jack. 5$\frac{7}{16}$x16x11″. Less case, uses L12WVO below. For 105-125 volts, 60 cycle AC. 25 lbs.

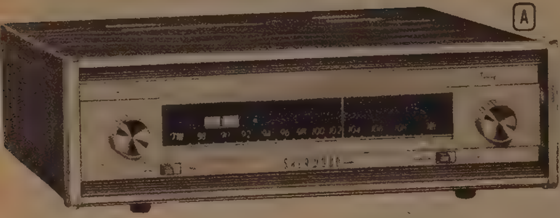
72 U 331 MU. *$13 Monthly* **249.00**

B MX110 STEREO FM TUNER-PREAMPLIFIER. Connoisseur-quality FM tuner. 4 IFs, 2 limiters. **Controls:** Muting; High-Low Filter; Loudness; Tape Monitor; Phasing; Volume; Balance. **Response:** ±0.5 db, 20-20,000 cps. **Distortion:** under 0.2% at rated output. **Sensitivity:** more than 2.5 μv at 100% modulation. **Separation:** over 30 db. 5$\frac{7}{16}$x16x13″. Less case, uses L12WVO below. For 105-125 v., 50-60 cycle AC. 36 lbs.

72 U 330 MU. *$18 Monthly* **399.00**

72 U 314 MX. L12WVO Oiled Walnut Case. 10 lbs. **29.00**

Sherwood Superior Stereo Components



Features "Inter-Channel Hush" . . . noise-muting system that automatically eliminates noisy "hash" between FM channels—makes tuning easier.

$\$139^{95}$ less case

$7 monthly

Versatile, powerful . . . A deluxe unit with 9 tubes and 4 silicon rectifiers. Satisfies the demands of the most exacting hi-fi listener.

$\$159^{95}$ less case

$8 monthly

A S-3000-V Stereo Multiplex Tuner

- Remarkable Sensitivity; Stereo Indicator Light
- Zero-Center Tuning Meter for Pin-Point Tuning

Latest in famous series of hi-fi tuners, features bui
in stereo multiplex circuit; "Inter-Channel Hush
zero-center meter for professional pin-point tunin
gated-beam limiter; balanced ratio detector; ca
code RF amplifier stage; AGC; 2 IF amplifiers;
limiters. **Sensitivity:** 0.95 μv for 30 db quieting.
sponse: ±½ db, 20-20,000 cps. **IM Distortion:** bel
⅓% at 100% modulation. Size, 4x14x10½". L
case, below. For 110-120 volts, 50-60 cycle A
Shpg. wt., 18 lbs.
72 U 406 MU. *$7 Monthly*. **139.9**

72 U 401 MX. Metal Case. For S-3000-V. Waln
grained leatherette. Shpg. wt., 10 lbs. 7

B S-5500-IV 80-Watt Stereo Amplifie

- Deluxe Performance at Moderate Cost
- Powered Center Channel Output
- 80 Watts IHF; 60 Watts Continuous

All new power-packed amplifier gives you outstan
ing performance at moderate cost. Features: 6 hi
and 4 low level inputs; 12 db/octave scratch a
rumble filters. Damping factor of 5. 80 watts IHF
60 watts continuous. 1.5 mv phono sensitivity.
sponse: +½ db, 20-20,000 cps. **Distortion:** Harmo
½%; IM 1½%. **Hum & Noise:** −60 db phono, −
db tuner. **Outputs:** 4, 8 and 16 ohms per chan
mono, stereo record and headphone. Size, 14x12
4". Less case, below. For 115-125 v., 50-60 cycle A
Shpg. wt., 28 lbs.
72 U 410 MU. *$8 Monthly*. . . . .**159.**

72 U 516 MX. Metal Case. For S-5500-IV. Wal
grained leatherette. Shpg. wt., 9 lbs. 8

Allied can supply any of the products manufactured by Sherwood—write for information and prices.

Famous Acoustech Solid-State Stereo Components

ACOUSTECH XI-AS

NEW! XI-AS 80-Watt Amplifier Kit

- Complete Stereo Control Center
- Full 80 Watt Continuous Power
- Latest Direct Coupled Circuit

$\$219^{00}$

$11 monthly

Solid-state engineering masterpiece! Superb 80-watt stereo amp/preamp combines big power and complete control versatility in one unit. Contains high and low frequency compensating controls, tape monitoring provisions, dual low level inputs, and mode switch. **IM:** under 0.25% with 2-volt output; **Hum & Noise:** −90 db; **Input Sensitivity:** 2.5 and 10 mv on phono. 4 volt on high level with 2 volt output. **Distortion:** less than 1% at 80 watts. Transient power, 100 watts per channel. 4, 8 and 16 ohms. 5x15¼x10". 110-120 v., 60 cycle AC. 26 lbs.
72 U 497 MU. *$11 Monthly*. **219.00**

ACOUSTECH V. Factory-assembled version of Model XI-AS, above. Shpg. wt., 26 lbs.
72 U 469 MU. *$17 Monthly*. **349.00**

C
D
ACOUSTECH IV

Easily Assembl
Stereo Compon

Stereo Preamp and Amplifier Kits

Preassembled and pretested printed circuit boards plug
special receptacles on chassis—minimizes assembly time
assures builder that published specs will be realized.

C **ACOUSTECH III 80-WATT BASIC AMPLIFIER KIT.** Mat
preamp below. 40 watts rms per channel, 20-20,000 cps.
monic Distortion: less than 0.1%. **IM Distortion:** under 0.1
Rise Time: 1.5 μsec. **Hum:** −85 db. 8, 16 ohms. 5x15x8".
cage. 110-120 v., 60 cycle AC. 22 lbs.
72 U 468 MU. *$10 Monthly*. **199**

D **ACOUSTECH IV PREAMP KIT.** Matches amplifier above.
balance, volume, bass and treble controls. 3 switched
level stereo inputs, 2 high-level inputs. **Response:** 20-20
cps. **IM Distortion:** under 0.15% (phono). 5x15¾x8".
metal cage. 110-120 v., 60 cycle AC. 12 lbs.
72 U 496 MU. *$8 Monthly*. **149**

reo Components for Every Budget

Bogen

Low
Allied
Price
71^{95} less case
monthly

New! 70-Watt RT-8000 Stereo FM-AM Solid-State Receiver

finest! Brings you the wonderful realism of hi-fi
FM, *plus* regular FM and high-quality AM. In-
inputs for every other stereo and monophonic
too. Delivers a clean 35-watts-per-channel (IHF).
joy instant solid-state warm-up and cool opera-
um and noise are negligible. "Stereo-Minder" light
on to indicate a stereo broadcast, while the tuner
automatically switches to stereo reception. D'Ar-
uning meter ensures effortless, pinpoint tuning. Has
feat switch for improved reception of weaker sig-
pe monitor switch lets you hear what you're record-
ou record it. Stereo headphone jack is conveniently
located on the front panel. Also has separate bass and treble, and balance controls; loudness, mode, 6-position selector, and 4-position speaker-selector switch. Includes output for extension speakers. **Frequency Response:** ±1 db, 15 to 50,000 cps. **Usable FM Sensitivity:** 2.5 μv (IHF). **Harmonic Distortion:** less than 1.0% at rated output. **Hum and Noise:** −60 db. **Circuitry:** 32 transistors, 12 diodes and 3 rectifiers. **Output Impedance:** 4/8/16 ohms. 4x16x14". Less case, below. For 110-120 v., 60 cycle AC. Shpg. wt., 20 lbs.

72 U 578 MU. *$14 Monthly*.................... **271.95**
72 U 584 MX. Walnut Vinyl-Clad Metal Case. 6 lbs.... **12.70**
72 U 585 MX. Oiled Walnut Wood Case. 7 lbs.......... **25.45**

RT-4000 40-WATT FM STEREO RECEIVER. A solid-
masterpiece. Similar in construction and operation
RT-8000. 5-position mode selector switch, selector,
osition speaker-phone switch. **Response:** 15-30,000
x16x14". Less case, below. For 110-120 v., 60 cycle
og. wt., 19 lbs.
9 MU. *$12 Monthly*.......................... **237.95**
4 MX. Walnut Vinyl-Clad Metal Case. 6 lbs..... **12.70**
5 MX. Oiled Walnut Wood Case. 7 lbs.......... **25.45**

0-BM 15-WATT MONOPHONIC HI-FI FM-AM RE-
ER. For restaurants, reception rooms and schools.
P.A. or paging, includes special input for a micro-
Has output for booster amplifier, for background
With RY-2 relay (optional, below) music can be
while paging. **Response:** 20-20,000 cps. **Impedances:**
hms, plus 25-volt output for up to 60 speakers.
l-gold panel, 4¾x15x11⅝". Less case, below. For
v., 60 cycle AC. 21 lbs.
7 MX. *$9 Monthly*.......................... **179.95**
1 MX. Walnut Vinyl-Clad Metal Case. 6 lbs.... **12.70**
7. RY-2 Relay. Shpg. wt., 1 lb................ **8.32**

5 35-WATT STEREO AMPLIFIER. A splendid value. De-
s excellent stereo from any source. 17½ watts (IHF)
nnel. Response is within 1 db from 20-20,000 cps!
n: 0.6%. **Hum & Noise:** −55 db. Balance, loudness/
treble, and bass controls; mode selector; speaker-
one switch. Tape head inputs and outputs. 8 and
s. 4¾x15x11⅝". Less case, below. For 110-120 v.,
s AC. Shpg. wt., 20 lbs.
6 MU. *$5 Monthly*.......................... **84.95**
1 MX. Walnut Vinyl-Clad Metal Case. 6 lbs.... **12.70**

AT-400 SOLID-STATE 40-WATT STEREO AMPLIFIER.
eless circuit operates instantly, gives you clean 20
er channel (IHF). Has separate bass, treble, and
controls. Loudness, tape monitor, selector, and
witches. Stereo-headphone jack. **Response:** ±1 db,
0 cps. **Distortion:** less than 1% at rated output. Out-
edances: 4/8/16 ohms. 3⅜x14½x8". Less case, be-
r 110-120 v., 60 cycle AC. 10 lbs.
6 MU. *$6 Monthly*.......................... **118.95**
6 MX. Walnut Wood Case. 7 lbs............... **16.95**

A

B

C

Superb Sound at Low Cost

D

Solid-State Circuitry

Bogen Stereo Component Now with Your Allied Credit Fund

KNIGHT

STEREO HI-FI CONSOLE

Ready-to-Play Stereo FM-AM-Phono Music Center

MAGNIFICENT NEW STEREO HIGH-FIDELITY CONSOLE IN SUPERB CABINETRY

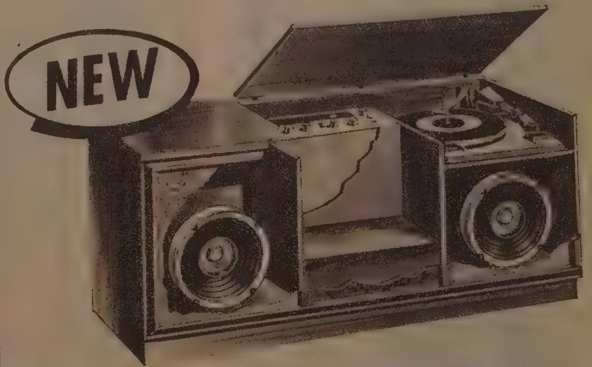
Presenting the KN-766 . . . A New Standard of Excellence in Radio-Phonograph Consoles

$299.95

$15 monthly

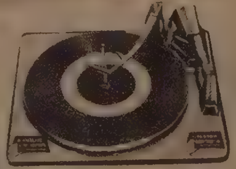
. . . our own exclusive stereo multiplex FM/AM radio-phonograph, dramatically accented by its masterfully designed oiled walnut cabinet. Only Allied—world leader in stereo high-fidelity—could produce a console of such audio excellence at such a moderate price. Comes to you ready to play—nothing to assemble—just plug it in, turn it on, then settle back to experience the exhilarating impact of thrilling stereo realism. Counter-balanced, ⅔-length lift top provides easy access to automatic record changer, radio and phono control panel and spacious (over 50 record capacity) storage well. Each side of cabinet has acoustically correct enclosure housing a 12" high-compliance 2-way speaker with efficient 13-oz. ceramic magnet. Hand-crafted, mitered-corner frame, marquetry front panel and full-length island base; nubby tweed grille

"The Inside Story" Tells You Why You Get More for Your Money with the KN-766



KN 766

STEREO FM-AM RECEIVER. 32 watts, 64 watts peak; "Magic Eye" tuning; automatic stereo FM indication; automatic frequency control; full-command master control panel for radio and phono. See p. 117.

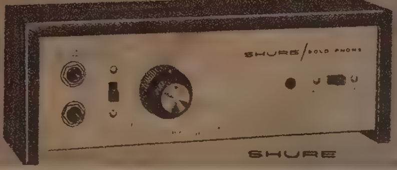


4-SPEED AUTOMATIC CHANGER. 4-pole motor; balanced tone arm, needle pressure adjustment; automatic shut-off; automatic/manual stereo/mono operation; Shure M3D magnetic cartridge with .0007" diamond needle. See p. 120, 170.

TWO 12" 2-WAY SPEAKERS. 12" woofer with tweeter cone and 13-oz. magnet for wide-range hi-fi music response; 1¼" long-throw

ccessories to Improve Hi-Fi System Performance

omatically
ts Off
re Music
em After
Record
Played



utomatic "Music-Minder"

y plug "Music-Minder" into your fier (or receiver) and your record er into "Music-Minder." Auto-ally shuts off entire system after cord has played. Can be switched anual operation. For Garrard, other European changers. 6½x ". 2 lbs.
079 M....................5.50
080 M. For U.S. Changers.... 5.50

Stereo Headphones Amplifier

Provides ample audio power to play magnetic phono, stereo FM tuner or tape player directly to one or two pair of stereo headphones. Great for private listening in study, den, bedroom or college dorm. Dual concentric volume control; input switch and switched AC outlet. For 110-120 v., 60 cycle AC. Shpg. wt., 4 lbs.
72 U 094 MX. *$5 Monthly*......**45.00**

Popular Low-Cost Gauges for Accurate Measurement of Needle Pressure

ust" for every phono system! de highly accurate periodic checks edle pressure on record grooves. to prevent damage to needle tip cords caused by excessive pressure. Let you set exact tracking force to assure highest fidelity in music reproduction. All are balance-type gauges, except Garrard, which has spring-type mechanism. Garrard gauge has lightweight alloy moving parts, sealed for added protection.

ck No.	Fig.	Manufacturer	Calibrations	Wt., Oz.	EACH
258 M	A	Robins	½ to 8 grams	5	.75
260 M	B	Acoustic Research	¼ to 9¾ grams	4	1.00
032 M	C	Walco	2 to 10 grams	6	1.00
035 M	D	Garrard	0 to 10 grams	5	2.95
041 M	E	Weathers	0 to 10 grams	7	2.00

EKTROSTAT" RECORD CLEANING KIT. Contains ½-oz. plastic bottle of anti-static fluid and wiping Removes dust, lint. 5 oz.
023 M..............................1.96

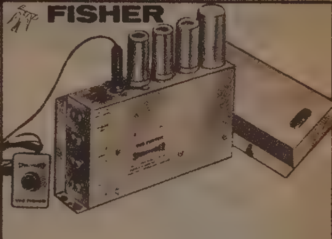
ALCO RECORD SPRAY. Retards accumulation of st, lint. 6-oz. can. Shpg. wt., 7 oz.
030 M..............................88¢
s for..............................2.20

Selected Audio Switches and Controls

us-name audio switches and con- All have solder terminals ex- *screw terminals, †phono jacks. g. column of table below, W indicates wall plate mounting; SM, surface mounting; PM, panel mounting. Fig H is rated 10 watts; Fig. N, 5 watts. Av. shpg. wt., 10 oz.

ck o.	Fig.	Mfr. and Type No.	Mtg.	Description	EACH
58M	H	Audiotex 30-364*	W	Mono 8-Ω L-pad speaker control	2.91
59M	H	Audiotex 30-366*	W	Mono 16-Ω L-pad speaker control	2.91
60M	H	Audiotex 30-372*	W	Stereo 8-Ω L-pad speaker control	5.00
61M	H	Audiotex 30-374*	W	Stereo 16-Ω L-pad speaker control	5.00
69M	H	Audiotex 30-388*	W	Stereo 3-speaker selector switch	2.91
70M	J	Audiotex 30-360*	SM	Mono 3-speaker selector switch	3.23
86M	....	Switchcraft 670*	SM	Stereo 2-speaker selector switch	3.70
94M	K	Switchcraft 668†	SM	1 of 3 stereo sources to 1 input	3.30
96M	L	Vidaire MS-6	PM	Mono selects any of 6 speakers	2.10
97M	L	Vidaire MS-12	PM	Stereo selects any of 6 spkr. sets	2.64
01M	M	Vidaire RS-10	PM	Selects either or both of 2 spkrs.	.98
02M	N	Vidaire RF-10	PM	Distributes volume between 2 spkrs.	1.15

FISHER

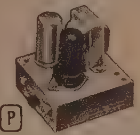


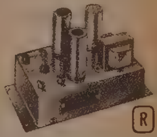
K-10 Reverberation Unit

$67.58
$5 monthly

- For Stereo and Mono
- Concert-Hall Sound
- Attaches in Minutes

Simulates the thrilling, natural reverberation of a large concert hall—right in your own living room. Delays part of signal 33 milliseconds to add new depth to the music. Operates with all stereo or mono music systems using separate preamps or having tape monitoring facilities. In stereo systems, can be connected to center-channel amplifier and speaker, or to tape recorder for unique echo-effect recordings. Attaches easily in minutes. Wt., 10 lbs.
72 U 097 MX. *$5 Monthly*..**67.58**





P **FISHER PR-6 PREAMP.** Use with mag. cartridge, tape head or mike to drive amplifier not having mag. input. ±2 db, 20-30,000 cps. Monophonic. 115 v. AC.
72 U 049 M. 1 lb..........**13.45**

R **SHURE M-65 STEREO PREAMP.** Converts ceramic, crystal inputs to mag. 6⅞x3⁵⁄₁₆x3¼". For 110-120 v., AC. 5 lbs.
73 U 102 M. *$5 Monthly*...**23.52**
73 U 103 M. Above, but transistorized. 2x5¼x5". 1 lb..........**27.50**

ROTRON

"Whisper Fan" for Hi-Fi Components

$14.85

Remove heat from hi-fi, TV set, tape recorder and other electronic equipment with the "Whisper Fan." Delivers 60 CFM and yet it is amazingly quiet. Draws only 7 watts of power. Can be mounted in round or square opening. 4¹¹⁄₁₆" square, 1½" deep. With cord, plug. For 110-120 v., AC. Shpg. wt., 1½ lbs.
82 U 031 M..................**14.85**

Garrard

Precision Automatic Turntable

MADE IN GREAT BRITAIN

SPECIAL 1¢ BONUS

**A Penny More Buys You the Stereo Cartrid
of Your Choice with Any Automatic Turntab**

Base Optional
Base Option

Type A70 Successor to Famous Type "A".. Improved Pickup Arm

Type A70 Alone	Type A70 & Cartridge
$84.50	$84.51
$5 monthly	$5 monthly

Lab 80 Best Garrard Ever! Every Significant Advancement

Lab 80 Alone	Lab 80 & Cartridge
$99.50	$99.51
$5 monthly	$5 monthly

Lab 80 with Choice of Cartridge

Garrard's finest! Offers the precision features of the best manual turntables, *plus* fully automatic 2-speed operation. Low-resonance Afromosia wood arm boasts gram scale and counterweighted dynamic balancing. Cuing device lets you suspend arm ½" above desired groove, then touch "manual" tab to gently lower stylus into groove. Bias compensator cancels arm skating-force in grooves. Heavy 12" table assures constant speed, banishes rumble.

Fine, shaded 4-pole motor is absolutely silent in operation. Tab controls select 33⅓ or 45-rpm; manual or automatic operation; record size. 17x14¾". Requires 5½" above, 3½" below mounting board. Choice of Empire 888, Pickering V-15/AT-2 or Shure M44C cartridge—**specify.** Less base and automatic 45-rpm spindle—see next page for these and other accessories. For 110-130 v., 60 cycle AC. Shpg. wt., 22 lbs.

20 U 943 CDMU. Specify Cartridge. *$5 Monthly*.....**99.51**
73 U 120 MU. Lab 80 Alone. *$5 Monthly*...........**99.50**

Type A70 with Choice of Cartridge

World-famous for superb performance. Bias compens
and other Garrard developments assure a new level of
realism. Stylus pressure adjustment and counterweig
dynamic balancing device give pickup arm optimum ce
of-gravity. Bias compensator assures precision trac
cancels out skating force to reduce stylus and record
to absolute minimum. Sensitive trip mechanism m
resistance to pickup arm virtually unmeasurable. T
proven "Pusher" changer mechanism lowers records ge

Dynamically balanced 6-lb. turntable rotates "on sp
even with normal voltage fluctuations. 16⅔, 33⅓, 45
rpm speeds. Automatic or manual operation. 16x1
Requires 5½" above, 3½" below mounting board. C
of Empire 888, Pickering V-15/AT-2 or Shure M
cartridge—**specify.** Less base and 45-rpm automatic sp
—see next page. For 110-120 v., 60 cy. AC. 20 lbs.

20 U 944 CDMU. Specify Cartridge. *$5 Monthly*.....**84**
73 U 121 MU. Type A70 Alone. *$5 Monthly*..........

Bonus Specials with Precision Elliptical-Stylus Cartridges

Pickering V-15/AME-1, Reg. $29.95

Empire 888PE, Reg. $32.95

WHY AN ELLIPTICAL STYLUS? It represents a breakthrough in sound purity. Elliptical design (.0009" frontal plane gradually tapering to .0002" contact plane on each side) prevents "bottoming" in grooves. Sharply reduces crackling noises from grit and static dust lodged in record grooves. Stylus traces path of *original cutting stylus* more faithfully than conventional stylus. Distortion is reduced too. Order your Garrard with one of these cartridges and save off the cost of items bought separately.

Specify Pickering V-15/AME-1 or Empire

LAB 80 WITH ELLIPTICAL CARTRIDGE. S
cartridge. Less base. 22 lbs.
20 U 947 CDMU. *$6 Monthly*...........1

TYPE A70 WITH ELLIPTICAL CARTRIDGE. Sp
cartridge. Less base. 20 lbs.
20 U 948 CDMU. *$5 Monthly*...........

TYPE AT60 WITH ELLIPTICAL CARTRIDGE. S
cartridge. Less base. 13 lbs.
20 U 949 CDMU. *$5 Monthly*...........

See Next Page for Automatic Turntable Access

Get Deluxe Stereo Cartridge for Only 1¢ More

Empire 888,
Reg. $19.95

Pickering V-15/AT-2,
Reg. $19.95

Shure M44C,
Reg. $17.95

THREE FAMOUS CARTRIDGES

Choice of three magnetic cartridges, all with diamond stylus. Described on pg. 170.

ype AT60 Precision Performance at a Moderate Price

Type AT60 Alone	Type AT60 & Cartridge
$\$59^{50}$	$\$59^{51}$
$5 monthly	$5 monthly

Base
Optional

Base
Optional

Model 50 Value-Packed Lowest Cost Garrard

Model 50 Alone	Model 50 & Cartridge
$\$44^{50}$	$\$44^{51}$
$5 monthly	$5 monthly

ype AT60 with Choice of Cartridge

tanding changer features shielded, 4-pole motor that s oversize, dynamically balanced turntable precisely speeds. Tubular, dynamically balanced counternt-adjusted arm. Stylus pressure gauge and selfsting bias compensator for optimum tracking force. ionless trip mechanism; automatic intermix; autoc and manual operation. 15⅜x13". Requires 4⅞" e, 2⅞" below mtg. board. Choice of Empire 888, ering V-15/AT-2, or Shure M44C cartridge—**specify.** base and 45-rpm automatic spindle—see accessories v. For 110-130 v., 60 cycle AC. 13 lbs.

945 CDMU. Specify Cartridge. *$5 Monthly*..... **59.51**
122 MU. AT60 Alone. *$5 Monthly*................ **59.50**

Model 50 with Choice of Cartridge

Famous Garrard quality at lowest price. Offers striking appearance plus many deluxe features at a low price. Counterbalanced arm with stylus pressure adjustment tracks at lightest levels. Includes soft turntable mat. Four-pole shaded motor turns accurately at all 4 speeds. Automatic and manual operation; automatic intermix. 13⅞x 12"; requires 4½" above and 2⅞" below mounting board. Choice of Empire 888, Pickering V-15/AT-2, or Shure M44C cartridge—**specify.** Less base and 45-rpm automatic spindle, see accessories below. For 110-130 v., 60 cycle AC. Shpg. wt., 11 lbs.

20 U 946 CDMX. Specify Cartridge. *$5 Monthly*..... **44.51**
73 U 123 MX. Model 50 Alone. *$5 Monthly*.......... **44.50**

Accessories for Garrard Automatic Turntables

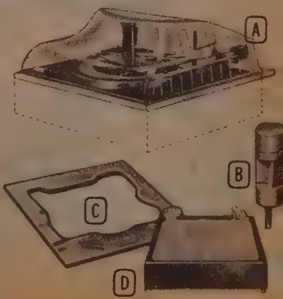
OLDED VINYL DUST COVERS. Transarent. Shpg. wt., 2 lbs.
130 MX. For AT60, "50".......... **4.95**
129 MX. For Lab 80, A70.......... **4.95**

OUNTING BOARDS. Unfinished. 2 lbs.
3 U 128 MX. For Lab 80.......... **1.95**
059 MX. For "A", A70.......... **1.50**
060 MX. For AT60, "50", and Auto-Series.......... **1.50**

VOOD BASES. Oiled walnut. 5½ lbs.
3 U 125 MX. For Lab 80.......... **3.90**
056 MX. For A70, "A".......... **3.90**
057 MX. For AT60, "50", AT6, and slim Series.......... **3.90**

B **45-RPM SPINDLE ADAPTERS.** For *automatic* playing of large-center-hole 45-rpm records. Wt., 10 oz.
73 U 083 M. For A70, "A".......... **3.80**
73 U 127 M. For AT60, "50".......... **3.80**
73 U 126 M. For Lab 80.......... **3.80**
73 U 084 M. For AT6.......... **3.80**
73 U 085 M. For Autoslim Series.......... **3.80**

EXTRA PLUG-IN HEADS. (Not illus.) For standard cartridges. Shpg wt., 6 oz.
73 U 111 M. For Lab 80, A70.......... **2.50**
73 U 112 M. For AT60, Model "50".......... **1.75**
73 U 081 M. For AT6, Autoslim.......... **1.75**
73 U 080 M. For Type "A".......... **1.75**



tical-Stylus Cartridge Bonus for AT60 on Facing Page

KNIGHT

RECORD CHANGER

CHOICE OF STEREO CARTRIDGE

only 1¢ more

Empire 888

Shure M44C

Pickering V-15/AT-2

E-V 149-D

Changer and Cartridge
$47⁹⁶
$5 monthly

Changer Alone
$47⁹⁵
$5 monthly

Base Extra at $3.95

Knight Changer Outperforms Others Selling for $10.00 More

KN-990A 4-Speed Changer with Choice of Stereo Cartridge

Get changer convenience plus turntable precision. Heavy-duty 4-pole motor drives big 11-in. turntable at exact speeds. Balanced arm tracks with extreme accuracy; has 0-5 gram needle-pressure gauge. Mixes all-size records of same speed, shuts off automatically. Provision for manual playing. Baseplate leveler. Gray, chrome. 14x12″. Req. 3½″ below, 5″ above mtg. board. Template. Less base. For 110-120 v., 60 cycle AC. Made in U.S.A. 12 lbs. (Cartridges above are magnetic, except 149-D is ceramic.) For additional data see page 120.

20 U 100 ACMX. KN-990A and Choice of Cartridge. *Specify choice*....... **47.96**
95 U 458 MX. KN-990A Alone. *$5 Monthly*........................... **47.95**
95 U 457 MX. Walnut Wood Base. 3¼x15¹⁄₁₆x13½″. Wt., 3 lbs............ **3.95**
95 U 470 MX. Ready-to-Finish Mounting Board. Shpg. wt., 2 lbs............ **1.50**
95 U 462 M. 45-rpm Automatic Spindle. Shpg. wt., 10 oz.................. **1.69**

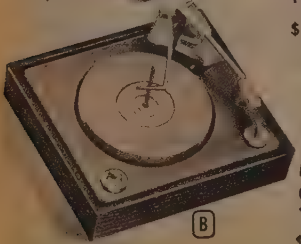
Changer and Floating Cartridg

Get the KN-990A changer and Shur
M-99/KN "Gard-A-Matic" floati
head cartridge at a special low pri
Diamond needle retracts, can't scrat
or damage records. Specifically
signed for KN-990A. 12 lbs.
20 U 101 ACMX. Both for...... **57.**

New Low-Cost ALLIED® 4-Speed Stereo Changers

Bases Optional

Model 77
$28⁹⁵
$5 monthly



Model 67
$18⁹⁵
$5 monthly

A MODEL 77 4-SPEED CHANGER WITH E-V 277 STEREO CARTRIDGE. F
tures modern, low-mass pickup arm and balanced heavy-duty mo
big 11-in. table. Floating-spring-mounting. Arm has pressure adjustme
Mixes all-size records of same speed; shuts off automatically. Ceramic tu
over cartridge has synthetic-sapphire needles. Beige, gold-color styli
13⅝x12″. Requires 2½″ below, 4⅝″ above, mtg. board. With protec
turntable pad, audio cables. Less base, below. For 105-120 v., 60 cy
AC. Made in U.S.A. Shpg. wt., 10 lbs.
95 U 608 MX. *$5 Monthly*.................................. **28.**

B MODEL 67 4-SPEED CHANGER WITH STEREO CARTRIDGE. Balan
2-pole motor, heavy 9″ table. Newly designed lightweight pic
arm has turnover cartridge with synthetic-sapphire needles. Mixes a
size records of same speed, shuts off automatically. Same dimens
and color as Model 77, above. Audio cables, turntable mat. Less b
below. For 105-120 v., 60 cycle AC. Made in U.S.A. 10 lbs.
95 U 607 MX. *$5 Monthly*.................................. **18.**

Accessories for Allied Changers

C MOUNTING BOARD. Ready to finish.
95 U 609 MX. Shpg. wt., 2 lbs........... **1.50**

D 45-RPM AUTOMATIC SPINDLE. 10 oz.
95 U 612 M............................... **1.69**

WALNUT BASE. Modern recessed-style with attractive oiled walnut finish. Shpg. wt., 3 lbs.
95 U 610 MX................................ **3.95**

Enjoy a New Record Changer Now . . Use Your Allied Credit F

ITED AUDIO

"Dual" Automatic Turntables

REO CARTRIDGE FOR 1¢ MORE!

Pickering V-15/AT-2 Sells for $19.95

Empire 888 Sells for $19.95

Shure M44C Sells for $17.95

9 Automatic Turntable With 1¢ Cartridge

19 one **$129.50** $7 monthly : with 1¢ cartridge **$129.51** $7 monthly

every deluxe feature to fulfill the exacting re- ments of the connoisseur! Automatic and manual tion in single play and changer modes; elevator- n changer spindle; dynamically balanced tone with fast and fine adjust counterweight; constant- , continuous-pole motor; 4 speeds (16, 33⅓, 45 78 rpm), each with 6% vari-pitch range. 12¾x ". Requires 6" above, 3" below mounting board. des 1¢ cartridge bonus—**specify**. Less base and sories, below. For 110-120 v., 60 cycle AC. 23 lbs.

195 CDMU. Specify Cartridge.........129.51
260 MU. 1019 Alone. *$7 Monthly*.........**129.50**

WITH DELUXE ELLIPTICAL CARTRIDGE. Perfectly s record groove for finest sound. Choose Picker- -15/AME-1 (sells for $29.95) or Empire 888PE for $32.95)—**specify**. 23 lbs.

198 CDMU. *$7 Monthly*. **Specify Cart...139.50**

Check These Deluxe Features!

Dynamically Balanced 7-Pound Turntable Platter Assures "On Speed" Rotation

Constantly Rotating Single-Play Spindle Prevents Center-Hole Wear in Your Records

Variable Anti-Skating Compensation Provides Amazingly Accurate Tracking

Precise, 1-Groove Cuing Accuracy, A Great Convenience Feature for Turntables

010 one **$69.50** $5 monthly

....

h 1¢ ridge **$69.51** $5 monthly

) Automatic Turntable With 1¢ Cartridge

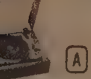
r-priced model, similar to 1009 at right, offering otch turntable performance with deluxe changer tion. Has 3-lb. turntable platter; 2-gram tracking; ernier speed adjustment. 12¾x10¾". Requires 6" , 3" below mounting board. With 1¢ cartridge bonus— y. Less base and accessories, below. For 110-120 v., cle AC. Wt., 16 lbs.

196 CDMU. *$5 Monthly*. **Specify Cartridge.....69.51**
281 MU. 1010 Alone. *$5 Monthly*..............**69.50**

WITH DELUXE ELLIPTICAL CARTRIDGE: Perfectly s record groove for finest sound and minimum noise. e of Pickering V-15/AME-1 (sells for $29.95) or re 888PE (sells for $32.95)—**specify**. 16 lbs.

199 CDMU. *$5 Monthly*. **Specify Cart..........79.50**

"Dual" Accessories


A

B

C

B-1 HINGED VINYL DUST COVER/OILED WALNUT SE COMBINATION. Fits all models. 13 lbs.
288 MX. *$5 Monthly*....................**29.50**

-9 AUTOMATIC 45-RPM SPINDLE. For large center- le 45's. Fits all models. 10 oz.
208 M..............................**4.80**

349 OILED WALNUT WOOD BASE. For shelf or ole-top mounting. Fits all models. 3 lbs.
287 MX..............................**6.95**

INYL DUST COVER. (Not illus.) Protects from dust irt. Fits all models. 3 lbs.
286 MX..............................**8.95**

CARTRIDGE HOLDERS. (Not illus.) 3 oz.
268 M. Type CH9. For Model 1009..........**3.00**
280 M. Type CH10. For Model 1010..........**3.00**
264 M. Type CH19. For Model 1019..........**3.00**

- **Superb Speed Accuracy— Within 0.1%**
- **4-Pole Motor Isolated Against Vibration and Shock**
- **Automatic Shut-Off After Last Record Is Played**

1009 Automatic Turntable With 1¢ Cartridge

1009 alone **$99.50** $5 monthly : with 1¢ cartridge **$99.51** $5 monthly

Superior turntable performance coupled with unbeatable record-changer convenience! Resonance-free pickup arm tracks and trips at ½ gram. Perfectly balanced, it includes a calibrated gram scale and removable cartridge holder. Silent 4-pole motor turns dynamically balanced turntable. Vernier control varies speed within 6% to set exact tonal pitch. Manual or automatic operation, even in single record play. Levers select size (7, 10 or 12"), speed (16, 33⅓, 45, 78 rpm), manual or automatic mode. Cushioned mounting. Size, 12¾x10¾". Requires 6" above, 3" below mounting board. With 1¢ cartridge bonus—**specify**. Less base and optional accessories, left. For 110-120 v., 60 cycle AC. Wt., 20 lbs.

20 U 194 CDMU. *$5 Monthly*. **Specify Cartridge....99.51**
73 U 263 MU. 1009 Alone. *$5 Monthly*..............**99.50**

1009 WITH DELUXE ELLIPTICAL CARTRIDGE. Perfectly tracks record groove for finest sound and minimum noise. Choice of Pickering V-15/AME-1 (sells for $29.95) or Empire 888PE (sells for $32.95)—**specify**. 20 lbs.

20 U 197 CDMU. *$6 Monthly*. **Specify Cart.......109.50**

AR
INC.

Turntable Outfit and Cartridge Offers

Turntable and arm are virtually isolated from external forces

A complete turntable outfit, including a lightweight pickup arm, handsome walnut base, and protective plastic dust cover. Turntable operates with great precision. Arm features special AR viscous-damping to protect records and stylus.

CHOICE OF STEREO CARTRIDGE only 1¢ more

Empire
Pickering V-15/AT-2
Shure M44C

Buy the AR XA or Bogen-Presto B-62 turntable and pay just a penny more for your choice of Empire 888, Pickering V-15/AT-2, or Shure M44C stereo cartridge. All have diamond stylus, wide compliance, and excellent separation.

AR XA 2-Speed Turntable Outfit with Cartridge for 1¢

With Cartridge $78.01 $5 monthly | **Less Cartridge $78.00 $5 monthly**

Superb turntable jam-packed with deluxe, professional-quality features, plus a gr magnetic cartridge at an unbeatable money-saving price. Outfit consists of XA 2-Sp Turntable, 12" Pickup Arm, Oiled Walnut Base, Transparent Plastic Dust Cover, cable. Belt drive achieves precise 33⅓ and 45-rpm speeds, while *two synchron motors* ensure inaudible wow and flutter. Viscous damping prevents record stylus damage if arm drops. Has 3½-lb. aluminum platter with plastic foam p Size (with cover), 5¼x16¾x2¾". Built-in pressure gauge. For 110-120 v., 60 cycle Shpg. wt., 20 lbs. **Specify cartridge.**

20 U 189 CDMU. AR XA Outfit Cartridge. *$5 Monthly*.......................78.
73 U 119 MU. AR XA Outfit less Cartridge.......................78

AR XA OUTFIT WITH ELLIPTICAL-STYLUS CARTRIDGE. An exciting offer of the AR turntable outfit above, plus your choice of Empire 888PE or Pickering V-15/AM magnetic elliptical stereo cartridge. Cartridges have .0009"x.0002" stylus that tra with extra accuracy. Minimize noise caused by grit and dust. Also precisely dupli path of original cutting stylus in the recording studio, as an effective means of ducing distortion. Shpg. wt., 20 lbs. **Specify cartridge desired.**

20 U 190 CDMU. AR XA Turntable Outfit with Elliptical Cartridge.......................88

BOGEN

Variable-Speed Turntables with Cartridge Offers

Variable Speed to Achieve Perfect Pitch

Base Optional

A

Choice of Cartridge

Empire 888
Pickering V-15/AT-2
Shure M44C

With Cartridge $67.96 | **Less Cartridge $67.95**

[A] B-62 Turntable and Arm with 1¢ Cartric

Has "click-stop" settings for all 4 speeds, plus con uously adjustable speed from 29 to 86 rpm. Get tridge for 1c more. 7¾ lb., 12" platter is driven by 4- motor. Linkage-raised arm (for easy cuing) has pres gauge. 15¼x13¼". Reg. 2½" above, 2¼" below board. Less base, dust cover. For 110-120 v., 60 c AC. 23 lbs. **Specify cartridge.**

20 U 191 CDMU. B-62 and Cartridge.......................67
73 U 277 MU. B-62 Less Cartridge.......................6
73 U 278 MX. PB7 Walnut Base. 3 lbs.......................
73 U 221 MX. COV-1 Dust Cover. 2 lbs.......................
73 U 039. Extra Aluminum Plug-in Head. 6 oz.......................

B-62 TURNTABLE WITH ELLIPTICAL-STYLUS CARTRI B-62 above, plus choice of Empire 888PE or Picke V-15/AME-1 elliptical cartridge to reduce distor and noise. 23 lbs. **Specify cartridge.**

20 U 192 CDMU. B-62 and Elliptical Cartridge.......7

B

Base Optional

Choice of Cartridge

888 With Cartridge $44.96 | **V-15/AT-2 Less Cartridge $44.95**

[B] B-51 Turntable and Arm with 1¢ Cartri

You enjoy perfect-pitch reproduction at extremely cost with this outstanding turntable. Features vari speed adjustment from 29 to 86 rpm. Fixed setting standard 4 speeds. You get choice of cartridge (left only 1c more. 11¾" platter is driven by 4-pole m 14½x12¼". Requires 2½" above, 2¼" below board. Less base, below. For 110-120 v., 60 cycle Shpg. wt., 16 lbs. **Specify cartridge.**

20 U 193 CDMU. B-51 and Cartridge.......................44
73 U 261 MU. B-51 Less Cartridge.......................
73 U 262 X. PB5-2 Walnut Base. 5 lbs.......................

Your Allied Credit Fund Gives You Bigger Buying Po

Deluxe Turntable Ensembles by empire

Buy Either Turntable Ensemble, Get Empire's 888P Cartridge for

only 1¢ more

Base Optional

G Turntable with Base and 1¢ Cartridge

h dge $\$164^{96}$ \$9 monthly | Less Cartridge $\$164^{95}$

sional-quality 3-speed turntable. Arm is so perfectly ed dynamically, that it can actually track upside Isolated hysteresis motor drives 6-lb. platter. Satin-nish. Rich walnut base. Cartridge a penny more. 7½x ". For 110-120 v., 60 cycle AC. 28 lbs.

85 DMU. 398G with Base and 888P Cartridge. 164.96

92 MU. 398G with Base, less Cartridge........164.95

86 DMU. 398G with Base and Empire 888PE Elliptical-Cartridge...........174.95

87 DMU. 398C with Base and 888P Cartridge Same as above, but satin-chrome finish...............**164.96**

94 MU. 398C with Base, less cartridge.........164.95

88 DMU. 398C with Base and Empire 888PE Elliptical-Cartridge...........174.95

488G Turntable with 1¢ Cartridge Offer

With Cartridge $\$134^{96}$ \$7 monthly | Less Cartridge $\$134^{95}$

Compact 3-speed turntable features unique floating suspension belt-driven, 5-lb. platter. Has constant-speed hysteresis synchronous motor. Satin-gold finish. 888P cartridge, 1¢ more. 7½x16x13¾". With 45-rpm adapter. Less base, below. For 110-120 v., 60 cycle AC. 25 lbs.

20 U 181 DMU. 488G with 888P Cartridge........134.96

73 U 086 MU. 488G less Cartridge.................134.95

20 U 182 DMU. 488G with Empire 888PE Elliptical-Stylus Cartridge for superior performance...............144.95

20 U 183 DMU. 488C with 888P Cartridge. Same as 488G above, but satin-chrome finish..................**134.96**

73 U 088 MU. 488C less Cartridge.................134.95

20 U 184 DMU. 488C with Empire 888PE..............144.95

73 U 091 MX. BW/408 Walnut Base. 6 lbs............15.00

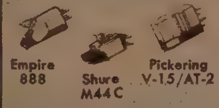
ORENS Custom-Crafted Turntables

B
Bases Optional

1, Arm rtridge 5^{01}

artridge 5^{00}

only 1¢ more



TD-124, Arm & Cartridge $\$180^{01}$

Less Cartridge $\$180^{00}$

-121 TURNTABLE AND ORTOFON ARM WITH 1¢ CARTRIDGE. 33⅓-rpm table has gimbal-suspended SMG-212 Variable speed (±3%). Belt drive, idler wheel, disen- 15½x12⅞". 2¾" below mtg. board. Less base. For 20 v., 50-60 cycle AC. 28 lbs.

177 CDL2MU. TD-121, Arm, Cartridge—specify 115.01

386 DL2MU. TD-121 and Arm less Cartridge.... 115.00

178 CDL2MU. TD-121 and Arm with Empire 888PE or ing V-15/AME-1 Elliptical Cartridge...........125.00

-124 TURNTABLE AND RMG-212 ORTOFON ARM WITH CARTRIDGE 4-speed version of above. 11¾-lb. platter. Switzerland. Specify cartridge 35 lbs.

179 CDL2MU. TD-124 and Arm with Cartridge. 180.01

385 DL2MU. TD-124 and Arm less Cartridge.... 180.00

180 CDL2MU. TD-124 and Arm with Empire 888PE or ing V-15/AME-1...........................190.00

031 MX. Walnut Base. For TD-121/124. 7 lbs.....12.50

035 MX. Unfin. Mtg. Board. For TD-121/124. 5 lbs. 4.50

Perpetuum-Ebner Turntable with 1¢ Cartridge

only 1¢ more

Empire 888
Shure M44C
Pickering V-15/AT-2

With Cartridge	Less Cartridge
$\$72^{01}$	$\$72^{00}$

PE ELPA

Four-speed (16⅔, 33⅓, 45, and 78 rpm) turntable features isolated 4-pole motor with belt-drive for aluminum platter. Balanced pickup arm has semi-pneumatic cuing and indexing, and adjustable pressure gauge. 13x10¾". Requires 3" above, and 3⅞" below, mounting board. Plus choice of cartridge. Less base, below. For 110-120 v., 60 cycle AC. From West Germany. 23 lbs. Specify Cartridge.

20 U 175 CDMU. P-E with Cartridge. *\$5 Monthly* **72.01**

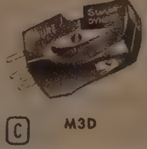
73 U 290 MU. P-E less Cartridge...............72.00

20 U 176 CDMU. P-E with Empire 888PE, or Pickering V-15/AME-1 Elliptical-Stylus Cartridge...........82.00

73 U 291 MX. Walnut Base. 5 lbs...............6.00

SHURE

Magnetic Stereo Hi-Fi Cartridges



[A] **M55E 15° STEREO ELLIPTICAL DYNETIC.** Retractable diamond needle at 15° angle for excellent tracking and record protection. 20-20,000 cps. 25x10^{-6} cm/dyne. Separation, 25 db. ¾ to 1½ grams. 6 oz.
73 U 827 MS. *$5 Monthly*..... **35.50**

[B] **NEW M44C 15° STEREO DYNETIC.** Excellent quality at a moderate price. .0007" diamond needle is angled 15° (same angle as cutting stylus) to give you improved reproduction. 20-20,000 cps. 7.5x10^{-6} cm/dyne. Separation, over 25 db. Tracks from 3 to 5 grams. Shpg. wt., 4 oz.
73 U 934 MS................ **17.95**

[C] **M3D STEREO DYNETIC.** Perennial favorite. User-replaceable .0007" diamond needle. 20-15,000 cps. Compliance, 4x10^{-6} cm/dyne. Separation, over 20 db. Tracks from 3 to 6 grams. Shpg. wt. 3 oz.
73 U 900 MS............... **11.76**

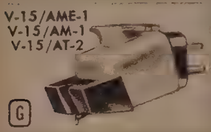
[D] **M44-7 15° STEREO DYNETIC.** Similar to M44C (left), but has retractable needle for added record protection. Compliance, 20x10^{-6} cm/dyne. Tracks from 1 to 2½ grams. 6 oz.
73 U 818 MS. *$5 Monthly*.... **19.95**

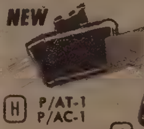
73 U 817 MS. M44-5. Above, but .0005" stylus. 25x10^{-6} cm/dyne. ¾-1½ grams. 6 oz. *$5 Monthly*........ **21.95**

[E] **V-15 15° STEREO ELLIPTICAL
NETIC.** Shures finest! Retract
elliptical (.0009"x.0002") 15°
mond needle tracks faithfully,
ishes causes of distortion. 20-20
cps. 25x10^{-6} cm/dyne. 25-db
aration. Tracks from ¾ to 1½ gr
Shpg. wt., 6½ oz.
73 U 825 MS. *$5 Monthly*..... **62**

[F] **M7/N21D STEREO CUSTOM
NETIC.** Performance-proven.
.0007" diamond needle. 20-20,000
9x10^{-6} cm/dyne. Over 20-db sep
tion. Tracks from 1 to 1½ gr
Shpg. wt., 3 oz.
73 U 915 MS............... **17**

PICKERING Magnetic Stereo Cartridges





[G] **NEW V-15/AT-2 15° "MICRO-MAGNETIC."** Features diamond needle angled at 15° in floating head cartridge for highly accurate music reproduction and maximum record protection. Excellent tracking characteristics and high output. Ideally suited for automatic turntables. Response, 20-20,000 cps. Separation, 35 db. Tracks at 2 to 5 grams. Shpg. wt., 3 oz.
73 U 963 MS. *$5 Monthly*........................ **19.95**

73 U 826 MS. V-15/AM-1, Same as Model V-15/AT-2, above; but has lighter tracking force (¾ to 3 grams) and lower output, especially suited for use with manual turntables. Shpg. wt., 3 oz. *$5 Monthly*................ **21.95**

73 U 947 MS. V-15/AME-1. For the discriminating audiophile. Above, but has 15° elliptical (.0009"x.0002") diamond needle with same angle and tip configuration as cutting stylus. ¾-1½ grams. 3 oz. *$5 Monthly*............ **29.95**

[H] **NEW P/AT-1.** For record changers. .0007" diamond needle. Response, 20-15,000 cps. Separation, 20-25 db. Tracks at 2 to 5 grams. Shpg. wt., 3 oz.
73 U 917 MS................................ **17.95**

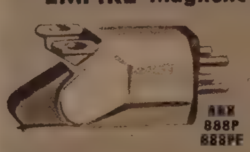
73 U 918 MS. New P/AC-1. Same as above; but tracks at 3 to 7 grams. Shpg. wt., 3 oz.......................... **15.95**

[J] **POPULAR 380C.** Low-cost favorite offering excellent stereo sound. Hermetically sealed. .0007" diamond needle. 20-17,000 cps. Tracks at 4 to 7 grams. 3 oz.
73 U 965 MS................................ **11.76**

ADC Magnetic Stereo Cartridges

K
ADC
Point
4/E

EMPIRE Magnetic Stereo Cartridges



**A Complete
Selection of
Deluxe Cartridge
All Featuring 15
Tracking Angle**

MODEL 888. Improved version of the popular "
featuring 15° vertical tracking angle, high compliance
ultra-wide frequency response. Perfect cartridge for
record changer. Amazingly light .0007" diamond n
is coupled with special magnetic element of extremely
mass. Gives 30-db stereo separation over a 10-oc
range. Response, 12-24,000 cps. Compliance, 10x10^{-6}
dyne. Tracks at 2 to 5 grams. 4 oz.
73 U 985 MS. *$5 Monthly*......................... **1**

MODEL 888P. Deluxe version of the Model 888, al
Excellent cartridge choice for fine turntables and re
changers. Features hand-polished .0006" diamond ne
set at 15° vertical tracking angle for clearer, more accu
music reproduction. Gives phenomenal frequency resp
of 10-28,000 cps. Ultra-high compliance, 15x10^{-6} cm/
Provides more than 30-db stereo separation across e
spectrum. ½ to 4 grams. 4 oz.
73 U 986 MS. *$5 Monthly*......................... **2**

MODEL 888PE ELLIPTICAL-STYLUS CARTRIDGE. Empire's
est! Highlighted by elliptical (.0009" x .0002") diamond
dle, vertically angled at 15°. So closely approximates
nal track of recording cutter that distortion is virt
non-existent. Shares low-mass construction of 888 s
with improved specifications. Response, 8-30,000
Phenomenally high compliance, 20x10^{-6} cm/dyne.
aration, more than 30 db. ½ to 2 grams. 4 oz.
73 U 987 MS. *$5 Monthly*......................... **3**

[K] **POINT-FOUR-E.** 15° elliptical (.0009"x.0002") dia
needle. 10-20,000 cps. 30x10^{-6} cm/dyne. 30 db
aration. ¾-1½ grams. 3 oz.
73 U 832 S. *$5 Monthly*......................... **50**

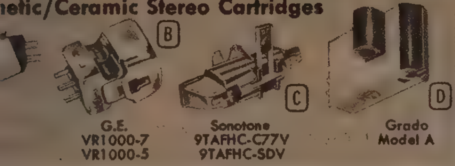
[L] **MODEL 660E.** Lowest priced ADC elliptical. 10-20
cps. 20x10^{-6} cm/dyne. 1½-4 grams. 3 oz.
73 U 876 S. *$5 Monthly*......................... **29**

[M] **MODEL 770.** .0007" diamond needle. 15° angle.
20,000 cps. 15x10^{-6} cm/dyne. 2-6 grams. 3 oz.
73 U 831 S.................................. **17**

All Cartridges on These Pages Have Standard Mounting Cen

Stereo Cartridges, Pickup Arms and Needles

netic/Ceramic Stereo Cartridges



NTON 581EL. Magnetic element, elliptical diamond dle. Built-in dust brush. 20-20,000 cps. Separation, Tracks at ½ to 1½ grams. 6 oz.
55 MS. *$5 Monthly*........................**49.50**

VR1000-7. .0007″ diamond needle. 20-20,000 cps. :10-6 cm/dyne. 20 db. 2-7 grams. 3 oz.
41 MS...............................**10.50**

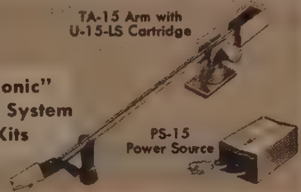
42 MS. VR1000-5. Above, but .0005″ diamond needle, cm/dyne, 25 db. 1-3 grams. 3 oz...........**12.58**

NOTONE 9TAFHC-D77V. Ceramic; dual .0007″ diand needles. Match magnetic inputs. 20-20,000 cps. 6 cm/dyne. 30 db. 1½ to 4 grams. 9 oz.
23 MS...............................**16.65**

20 MS. 9TAFHC-SDV. Same as 9TAFHC-D77V above, th .0007″ diamond needle for LP's, .003″ synthetic re for 78's. 9 oz...........................**13.89**

ADO MODEL A. Magnetic; .0007″ diamond needle at angle. 20-20,000 cps. 10x10-6 cm/dyne. 25 db. s at 1 to 2 grams. 4 oz.
80 MS. *$5 Monthly*........................**50.00**

honics "Miniconic"
e Arm Phono System
d Conversion Kits



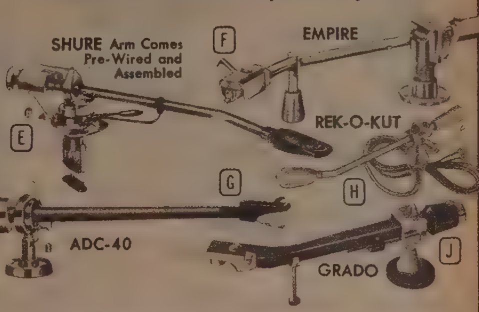
LS TONE ARM PHONO SYSTEM KIT. Includes TA-15 U-15-LS cartridge, PS-15 power source. Arm has s-damped ball bearings, ½-3 gram torsion spring, able height. Cartridge has semiconductor elements, iptical diamond needle. Power source supplies 12 v. 0-20,000 cps. 25 db. ½-1½ grams. 3½ lbs.
25 M. *$5 Monthly*........................**87.50**

26 M. TK-15-P. Above, but .0005″ conical diamond in place of elliptical. 3½ lbs. *$5 Monthly*.....**71.50**

27 M. CK-15-LS Conversion Kit. U-15-LS cartridge, power source only. 2 lbs. *$5 Monthly*.........**55.00**

28 M. CK-15-P. Like CK-15-LS, .0005″ conical dianeedle in place of elliptical, 2 lbs. *$5 Monthly*.**39.00**

Professional-Quality Pickup Arms



E **SHURE SME-3009 12″ ARM.** For those who want professional quality. Tracks ¼-6 grams; takes any cartridge. Has ball and knife-edge bearings, cue lever. Precision fittings. Less cartridge. 1½ lbs.
73 U 108 MX. *$5 Monthly*....................**92.00**
73 U 136. A30H Extra Plug-In Head. 4 oz.............**5.50**

SHURE M232 12″ ARM. (Not illus.) A popular favorite. Takes any cartridge. Adjustable tracking force, 0-8 grams. Ball-bearing pivot. Variable height. Less cartridge. Shpg. wt., 5 lbs.
73 U 105 MX. *$5 Monthly*....................**29.35**
73 U 107. A23H Extra Plug-In Head. 4 oz.............**2.35**

F **EMPIRE 980G 12″ ARM.** Flawless dynamic balance —can actually track upside down! Tracking error, ±0.650. Arm resonance, 6 cps. Adjustable tracking force, 0-8 grams. Overhang adjustment. Satin gold finish. Less cartridge. 5 lbs.
73 U 098 MX. *$5 Monthly*....................**39.95**
73 U 100. BM980 Extra Cartridge Mtg. 3 oz..........**1.95**

G **ADC-40 12″ ARM.** Very low inertia. Walnut arm, side-thrust compensator, counterweight and ball bearings. Resonance, 6 cps. Minimum tracking force, ¾ gram. Less cartridge. 2¼ lbs.
73 U 272 MX. *$5 Monthly*....................**44.50**

H **REK-O-KUT S-320 12″ ARM.** Exclusive "Omni-Balance" assures exact lateral balance. Isolated counterweight. Single-hole mounting. Less cartridge. 2½ lbs.
73 U 020 MX. *$5 Monthly*....................**34.95**
73 U 024. PS-20L Extra Plug-In Head. 6 oz..........**5.95**

J **GRADO LAB SERIES 12″ ARM.** Gunstock walnut. Separate vertical and lateral adjustments. Resonance, 11 cps. Minimum tracking force, ½ gram. Less cartridge. 3 lbs.
73 U 118 MX. *$5 Monthly*....................**45.00**
73 U 244. Extra Cartridge Slide. 6 oz...............**2.95**

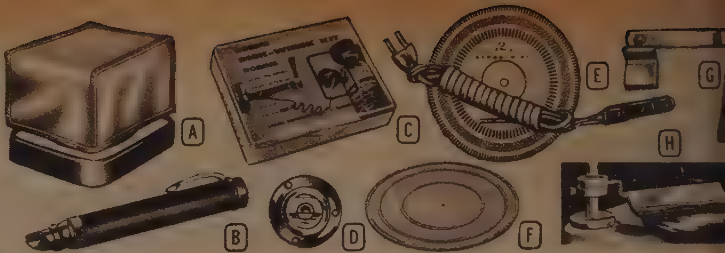
r's Exact Replacement Needles for Stereo Hi-Fi Cartridges

ation of Symbols: *Dual .0007″ diamond. †.0007″ diamond and .003″ synthetic sapphire.

No.	Mfr.	Type	Size	For	EACH
36 S	Shure	V2NE	Ellipt.	V-15	25.00
37 S	Shure	N44-5	.0005″	M44-5	11.35
38 S	Shure	N44-7	.0007″	M44-7	9.75
23 S	Shure	N21D	.0007″	M7, M3/N21D	12.50
08 S	Shure	N99	.0007″	M99 Series	12.95
39 S	Shure	N55E	Ellipt.	M55E	20.00
20 S	Shure	N3D	.0007″	M3D,M7D,M8D	7.95
62 S	Shure	N44C	.0007″	M44C	9.75
64 S	Pick.	D/1507AC-2	.0007″	V-15/AC-2	9.90
65 S	Pick.	P/D07-T	.0007″	P/AT-1	9.90
66 S	Pick.	P/D07-C	.0007″	P/AC-1	8.90
43 S	Pick.	D1500AME	Ellipt.	V-15/AME-1	19.90
63 S	Pick.	D1507AT-2	.0007″	V-15/AT-2	10.90
59 S	Pick.	D3807C	.0007″	380C	9.90
05 S	Pick.	D3807ATG	.0007″	38ATG Series	12.00
08 S	Empire	S880P-6RD	.0006″	880P	12.95
45 S	Empire	S880PE-ERD	Ellipt.	880PE	15.00
06 S	Empire	S880-7RD	.0007″	880	9.95

Stock No.	Mfr.	Type	Size	For	EACH
73 U 859 S	Empire	S888P-6RD	.0006″	888P	13.95
73 U 860 S	Empire	S888PE-ERD	Ellipt.	888PE	15.95
73 U 861 S	Empire	S888-7RD	.0007″	888	10.95
73 U 847 S	ADC	4-4/E	Ellipt.	Point Four	25.00
73 U 848 S	ADC	R-660	.0007″	660	10.00
73 U 849 S	ADC	R-770	.0007″	770	10.00
73 U 870 S	ADC	R-6E	Ellipt.	660E	18.00
73 U 853 S	Sonot.	N9916HC-D77	*	9TAFHC-D77V	3.00
73 U 854 S	Sonot.	N9916HC-SD	†	9TAFHC-SDV	2.40
73 U 855 S	G.E.	DR-7D	.0007″	VR1000-7	6.27
73 U 856 S	G.E.	DR-5D	.0005″	VR1000-5	7.53
73 U 871 S	Stant.	D5200EL	Ellipt.	581EL	19.50
73 U 868 S	Euph.	N-15-BR	Ellipt.	U-15-LS	12.00
73 U 869 S	Euph.	N-15-LM	.0005″	U-15-P	7.50
73 U 802 S	Knight	....	.0007″	KN-500	5.95
73 U 803 S	Knight	....	.0007″	KN-505X	8.95
73 U 804 S	Knight	....	.0005″	KN-500X	6.95

ROBINS



ENGINEERED SOUND
STEREO & MONOPHONIC

$3.45

ESK-3A Record Care Kit

Helps keep your records and stylus in peak condition. Contains: stylus pressure gauge and microscope, level, cleaning cloth, stylus brush, record brush, pickup-arm lift. 1 lb.
82 U 000M....................**3.45**

$9.98

PK-10 Deluxe Care Kit

For complete record care. 10″ cushion, strobe and light, 15 round record covers, record brush, ESK-6 cleaning kit (below), stylus gauge, MX-1 stylus microscope, "Disk-Whisk," 144 friction spots, 12 record mitts, level.
82 U 209M. Wt., 2¾ lbs..........**9.98**

Record Cleaning Kit

$1.19

ESK-6 "Rob-O-Stat" Kit

Super-soft velvet and foam applicator mitt, 1½ oz. anti-static cleaner-lubricant, polyfoam pad. 8 oz.
82 U 210M....................**1.19**

J PSA-35 45-RPM SPINDLE. Fits most GE and VM record changers using short spindle. No twisting or jamming. Shpg. wt., 3 oz.
82 U 211M....................**2.40**

K MRB-1 POCKET RECORD BRUSH. Soft camel's hair brush. Gold-anodized "pen" styled case. Clips to pocket. Wt., 4 oz.
82 U 212M....................**89¢**

Record and Phono Care Accessories

A CC-US RECORD CHANGER COVER. Soft, durable plastic cover that fits most changers. Guards against harmful effects of dust, lint and moisture. 17x15x8¾″. 6 oz.
82 U 017M....................**1.17**
82 U 288M. 12½x15x8″. 7 oz..........**1.17**

CC-TUS TURNTABLE COVER. As above, but 22x16½x9″. Wt., 6 oz.
82 U 018M....................**1.50**
82 U 289M. 17¼x17½x9″. 6 oz...**1.50**

B MX-1 STYLUS MICROSCOPE. Pocket-type scope to check stylus for signs of wear. Adjustable focus. 3¾x½″. Wt., 4 oz.
82 U 286M....................**1.65**

C ESK-7 "DISK-WHISK" KIT. Floating nylon brush and mohair cylinder applies anti-static fluid to records as they play. Cleans and lubricates. With fluid. 8 oz.
82 U 250M....................**1.49**

D TL-2R ROUND TURNTABLE LEVEL. For checking level of turntable or changer. Reduces record-groove wear. Spirit-level type. 3 oz.
82 U 255M....................**1.50**

E ESK-5 STROBE-LIGHT KIT. Tells i jiffy whether your turntable rotating at exact speed. Includes n lamp and strobe disc. Tests 1 33⅓, 45 and 78-rpm. For 110-12 60 cycle AC. 6 oz.
82 U 014M....................**1**

F PC-33 RIM-REST PHONO CUSHI Ridges at 7″, 10″ and 12″ sup records without touching grooves. dia. Polyethylene. 8 oz.
82 U 290M....................**1**

IP-16 ISOLATION PAD. Absorbs vi tion, minimizes acoustic-feedba noise, rumble. 12½x16″. 12 oz.
82 U 009M. (Not illus.)..........

G RB-75 CLIP-ON RECORD BRU Clips to tone-arm. Cleans as moves over record. 3 oz.
82 U 007M....................

H RB-88 "CLEAN-SWEEP" BRUSH. L camel's hair brush cleans en tracking surface of up to 12″ re with each revolution. Records needle last longer. Adhesive base screws needed. 3 oz.
82 U 285M....................**3**

ANY ITEM 59¢

ROBINS

ANY ITEM 5

L PC-2 MIRACLE RECORD CLEANING CLOTHS AND BRUSH. Two cloths, described below, and a clip-on type brush. Wt., 4 oz.
82 U 213M....................**59¢**

PC-3 CLEANING CLOTHS. Special anti-static ingredient reduces dust accumulation on records. Cuts wear and surface noise. **Package of 3.** Shpg. wt., 6 oz.
82 U 214M..........**Per Pkg. 59¢**

M E-15 ROUND BOTTOM PLASTIC RECORD COVERS. Polyethylene sleeves protect 12″ records. Pkg. of 15. Shpg. wt., 7 oz.
82 U 001M..........**Per Pkg. 59¢**

EJ-15 SQUARE ALBUM COVERS. For 12″ albums. Protect against dust, moisture. Pkg. of 15. 7 oz.
82 U 291M..........**Per Pkg. 59¢**

N NB-1 "KLEENEEDLE" BRUSH. Removes dust blob from needle as arm is cycled. Easy mount, pressure sensitive base. 4 oz.
82 U 002M....................**59¢**

P PC-10 PHONO CUSHION STROBE. 10″-dia. foam mat 3-speed strobe disc attached to ter. Wt., 3 oz.
82 U 006M....................

R RBL-1 CLIP-ON RECORD B AND TONE-ARM LIFT. Sweeps and dust from needle's path. venient finger-lift. 3 oz.
82 U 254M....................

PRA-50 45-RPM RECORD SPID Plastic. **Pkg. of 50.** 6 oz.
82 U 215M. (Not illus.) **Per Pkg.**

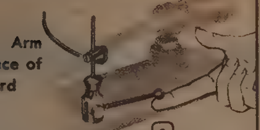
PFS-1 FRICTION SPOTS. Thin ½″ adhesive polyfoam discs. Place around record label to stop slipp **Pkg. of 144.** 6 oz.
82 U 216M. (Not illus.) **Per Pkg.**

PRM-12 RECORD MITTS. Protects ords. Soft, felt-flocked leather **Pkg. of 12.** Wt., 4 oz.
82 U 217M. (Not illus.) **Per Pkg.**

PSD-3 STROBE DISC. Metal. Ch 33⅓, 45, 78-rpm. 3 oz.
82 U 218M. (Not illus.)..........

ELPA

2



3

OMATIC "DUST BUG." Keeps ords dust-free. Plastic arm e nylon brush, dust collector d-cleaning fluid. Suction-cup ng. Shpg. wt. 8 oz.
22 M. For Turntables.....5.75
21 M. For Changers......4.75

ORD DUST-REMOVER. "Para-ic Preener" leaves no film. ush, with wetted center-wick; tating record. Wt., 6 oz.
61 M..................3.00

OFON "HI-JACK." Pneumatic ice lets you raise turntable ithout touching arm. Also u lower arm without fear pping it—arm will "float" o record. Protects stylus and . Can be used as a precision evice. Lowering speed is ad-e. For any manual turntable. vt., 12 oz.
36 M..................9.80

5

6

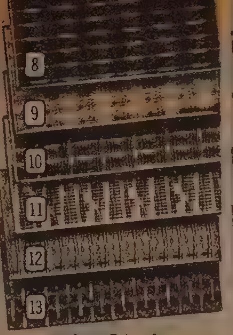
7

C DECORATIVE METAL GRILLE. ished-brass finish. Diamond adds a bright decorative Av. wt., 4 lbs.
90 MX. 12x18"..........**1.76**
91 MX. 18x24"..........**3.23**
92 MX. 24x36"..........**6.14**

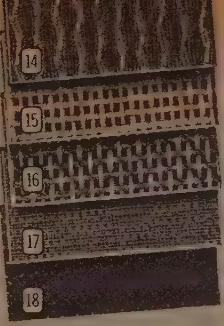
OUSTIC INSULATION. Prevents erberation and distortion by standing waves created of speaker enclosure. ½x12x og. wt., 1½ lbs.
62 MX. Foam Rubber.....1.98
42 MX. Fiberglas........1.32

RZILAY WALNUT FINISH. Liquid d walnut furniture finish. of eight oil compounds. 40% Wt., 1 lb.
89 M. 8-oz. Bottle.......**1.95**

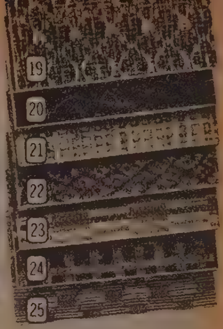
ONO DRAWER SLIDES. Heavy el slides for any record-chang-e. Ball-bearing operation for lmost effortless rolling action. extension is only 2" less than of closed slide. Wt., 7 lbs.
46 M. 15" (Closed).......1.90
47 M. 13" (Closed).......1.90
48 M. Heavy-Duty 18" Slides). Wt., 8 lbs...........**3.50**



Budget-Priced



Moderately Priced



Deluxe Decorator

Popular Acoustone Speaker Grille Cloth

LABORATORY TESTED AND APPROVED

Big selection of speaker grille cloth in highly attractive, color-fast patterns. You'll find a decorative pattern to match virtually any motif. Made of extremely durable Saran plastic in an open weave, to permit unrestricted passage of all audio frequencies. Special construction plus professional weaving techniques prevent sagging and shrinking. Shpg. wt. per yard, 15 oz.

Budget-Priced Grille Cloth

Description	Pattern No.	Fig.	Stock No.		PER YARD
			In Lengths Over 1 Yd.	36x36"	
Mahogany with Ivory Threads	211	8	82 U 103 X	82 U 104 X	2.39
Walnut with Bronze Threads	811	9	82 U 115 X	82 U 116 X	
Gold and Bronze	213	10	82 U 117 X	82 U 119 X	
Walnut, White and Gold	1908	11	82 U 272 X	82 U 273 X	2.39
Light Gray with Black Threads	625	12	82 U 234 X	82 U 235 X	
Walnut Cane with Bronze Threads	24R12	13	82 U 236 X	82 U 237 X	

Moderately Priced Grille Cloth

Description	Pattern No.	Fig.	In Lengths Over 1 Yd.	36x36"	PER YARD
Beige with Metallic Gold	3257	14	82 U 131 X	82 U 132 X	3.29
Natural Cane with Gold Metal	2420	15	82 U 311 X	82 U 312 X	
Natural & Walnut Cane w/Gold Metal	2422	16	82 U 313 X	82 U 314 X	
Beige & Walnut w/Gold Metal	3705A	17	82 U 238 X	82 U 239 X	
Solid Black Ribbon Honeycomb	4542	18	82 U 240 X	82 U 241 X	

Deluxe Decorator Grille Cloth

Description	Pattern No.	Fig.	In Lengths Over 1 Yd.	36x36"	PER YARD
Walnut, Beige, Metallic Threads	4440	19	82 U 282 X	82 X 283 X	3.95
Black with Gold Cobweb	453	20	82 U 148 X	82 U 149 X	
Dark Mahogany with Gold Cobweb	300	20	82 U 152 X	82 U 153 X	
Beige, White and Tan w/Gold Metal	7104	21	82 U 154 X	82 U 155 X	
Walnut Tapestry Weave w/Gold Metal	3743	22	82 U 315 X	82 U 316 X	3.95
Walnut & Beige Ladder w/Gold Metal	3785	23	82 U 317 X	82 U 318 X	
Walnut-Interwoven Wood Effect	WW-1	24	82 U 244 X	82 U 245 X	
Walnut & Beige Circles w/Gold	372	25	82 U 242 X	82 U 243 X	

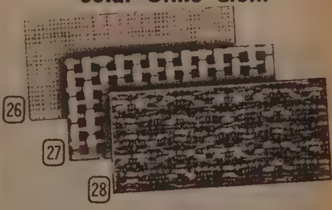
Solar Grille Cloth

Minimum order is one yard. Shpg. wt., 15 oz. per yard.

26 **PANDANUS.** Imported straw.
82 U 093 X. 27" w.....Per Yd. 1.60
82 U 094 X. To 10½ yds..Per Yd. 1.60

27 **CANE.** Natural on brown fabric.
82 U 095 X. 36" w.....Per Yd. 2.40
82 U 096 X. Over 1 yd....Per Yd. 2.40

28 **LUREX.** Brown, tan shades; gold, bronze Lurex metallic thread.
82 U 101 X. 36" w.........Per Yd. 4.00
82 U 102 X. Over 1 yd....Per Yd. 4.00

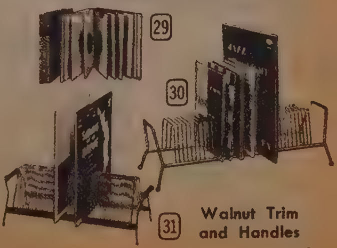


Record Racks and Albums

12" ALBUM. 12 Kraft envelopes. Index. Fabrikoid cover.
82 U 024 MX. 5 lbs.........**Each 1.75**
3 or More.................Each 1.49
82 U 025 M. 7" Album. 12 oz.....**1.15**
3 or More.................Each 99¢

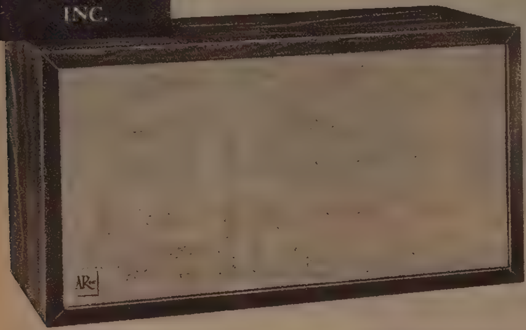
30 **RECORD CADDY.** Holds 75—12" jacketed LP's. 17" long. Brass. 4¾x16x6⅛". Ball feet.
82 U 049 MX. 5 lbs.............**1.98**

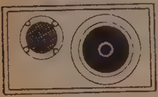
31 **DELUXE RACK.** Holds 65—12" jacketed LP's. Brass-plated. Walnut trim and handles. 13x8x7".
82 U 227 MX. 4 lbs.............**3.98**



AR
INC.

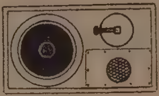
Acoustic-Suspension Speaker Systen





8″ Woofer
3½″ Tweeter

10″ Woofer
3½″ Midrange
1⅜″ Tweeter



AR-4 Acoustic-Suspension 8″ System

as low as
$51⁰⁰
$5 monthly

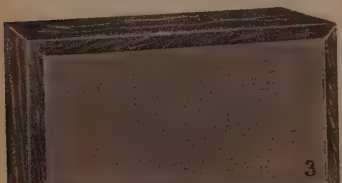
- Low Price for World Famous AR Quality
- Produces Impressive Wide-Range Sound
- Tweeter Level Control to Adjust Highs
- Compact; Fits Virtually Anywhere

Low-cost, 2-way speaker system featuring AR's famous acoustic suspension design for rich, natural sounding music reproduction. Natural air sealed into the speaker enclosure permits freer cone excursion for richer bass response. The result: brilliantly clean music with an exhilaratingly authentic quality. 3½″ direct-radiator tweeter comes into play at frequencies above 1500 cps to bring you clear, undistorted upper-range reproduction. Tweeter level control lets you adjust "highs" to suit your listening taste and room acoustics. Includes L-C crossover. Requires amplifier rated at least 15 watts per channel. Impedance, 8 ohms. Size, 10x19x9″. Shpg. wt., 22 lbs.

70 U 626 MU. Oiled Walnut. *$5 Monthly*. **57.00**

70 U 625 MU. Unfinished Pine. *$5 Monthly*. **51.00**

71 U 015 MX. Speaker Base. (Not illus.) For mounting any Acoustic Research enclosure near the floor in limited space. Oiled walnut. 11x14½x13″. 3¾ lbs. **7.50**



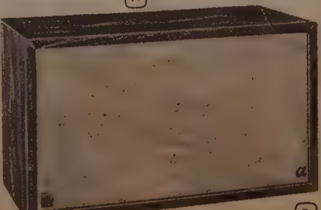
12″ Woofer
2″ Midrange
1⅜″ Tweeter

as low as **$203⁰⁰**
$11 monthly

A

10″ Woofer
3½″ Tweeter

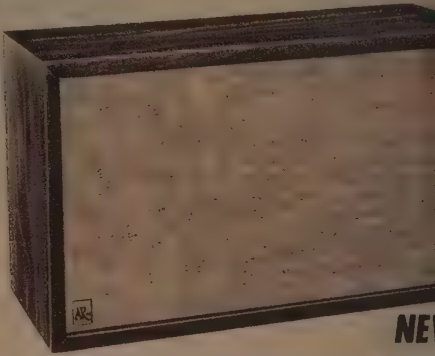
as low as **$89⁰⁰**
$5 monthly



B

WORLD RENOWNED FOR SUPERB SOU

Acoustic Suspension utilizes sealed-in air around the wo
cone, replacing the conventional mechanical spring. Du
large cone excursions on low bass notes, this air prod
a nearly perfect spring-action for exceptional realism



AR-2AX Acoustic-Suspension 10″ Syster

as low as
$109⁰⁰
$6 monthly

- Newly Developed Tweeter Assembly C
  Broader Dispersion, Smoother Resp
- Independently Adjustable Level Con
- Fiberglas-Damped, Sealed Enclosure

Newly developed version of the famous AR-2A, featu
an improved midrange and high frequency packag
wider dispersion and smoother, more faithful respon
upper ranges. Incorporates 10″ acoustic-suspension w
with 3¼-lb. magnet, plus new 3½″ broad-dispersion
tweeter and 1⅜″ dome-type super-tweeter for full-di
sional realistic reproduction of higher frequencies. Ca
features fiberglas packing throughout that dampens in
al resonances. Includes independently adjustable level
trols for midrange and super-tweeter, and L-C cross
at 1000 and 7500 cps. Response, 42-20,000 cps. Req
amplifier rated at least 20 watts per channel. Imped
8 ohms. 13½x24x11½″. See floor-mounting base, at
Shpg. wt., 41¼ lbs.

70 U 046 MU. Oiled Walnut. *$7 Monthly*. **128**

70 U 044 MU. Natural Birch. *$7 Monthly*. **12**

70 U 047 MU. Unfinished Pine. *$6 Monthly*. **10**

A AR-3 Acoustic Suspension 12″ Syste

AR's finest 3-way speaker system . . . an acclaimed fav
among hi-fi experts. Houses 12″ woofer and 2″ midr
dome radiator, each with massive 3¼-lb. magnet;
dome tweeter; level controls, L-C crossovers at 1000
7500 cps. Requires amplifier rated at least 25 watt
channel. Imp., 4 ohms. 14x25x11⅜″. See base, abo
left. 55¾ lbs. Express.

70 U 624 MZ. Oiled Walnut. *$12 Monthly*. **225**

70 U 149 MZ. Natural Birch. *$11 Monthly*. **2**

70 U 002 MZ. Unfinished Pine. *$11 Monthly*. **20**

B AR-2X Acoustic-Suspension 10″ Syst

Improved version of famous AR-2. Features 10″ aco
suspension woofer and 3½″ broad dispersion cone
tweeter, heavily damped by fiberglas. Brings added sm
ness to treble range. Level control; L-C crossover
cps). Requires amplifier rated at least 20 watts per cha
Impedance, 8 ohms. Size, 13½x24x11½″. See base,
at left. Shpg. wt., 38¼ lbs.

70 U 050 MU. Oiled Walnut. *$6 Monthly*. **10**

70 U 048 MU. Natural Birch. *$5 Monthly*. . . . .

70 U 051 MU. Unfinished Pine. *$5 Monthly*. . . . .

See Page 168 for Famous AR Turntable Pack

Full-Range Speaker Systems by FISHER

eries KS-1 3-Way Speaker Systems
vailable in Kit or Assembled Models

ntly slim speaker systems featuring compo-
acoustically balanced at the factory for extra-
h 40-18,500 cps response. Boast 10″ free-piston
r with massive 4½-lb. magnet structure; 5″
nge and 3″ super-tweeter for brilliant highs.
overs at 1400 and 2500 cps. Kit models are
hly sanded, ready for painting or staining.
ity, 40 watts. Impedance, 8 ohms. With in-
ions. 24x18x5¾″. 28 lbs.

153 MU. KS-1-B Kit. Ready-to-
solid birch. *$5 Monthly*.................**53.50**

154 MU. KS-1-W Kit. Ready-to-finish solid wal-
5 Monthly..........................**58.00**

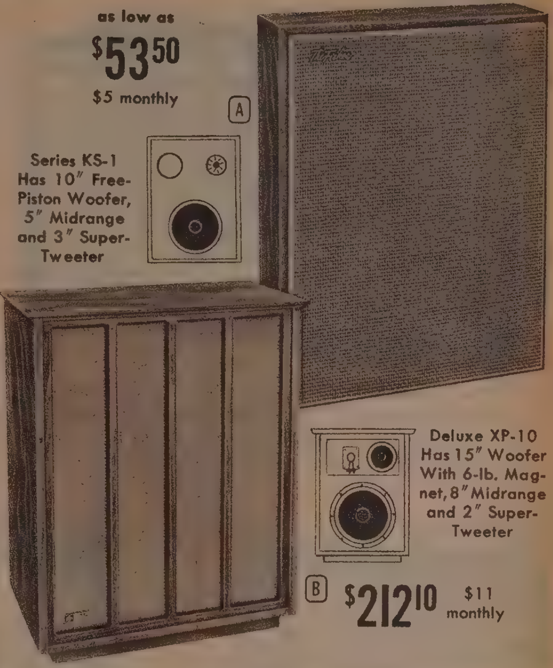
156 MU. KS-1-AW. Assembled and finished in
walnut. *$5 Monthly*....................**76.05**

P-10 Deluxe 15″ 3-Way Consolette
–Fisher's Finest Speaker System

sterpiece of brilliant high fidelity sound and
t contemporary cabinetry. AcoustiGlas-
d, non-resonant enclosure contains: 15″ high-
iance woofer with 6-lb. magnet structure and
ly-current-damped voice coil; 8″ midrange and
ft-dome tweeter, each with 5½-lb. magnet
ure; 3-way crossover network (200 and 2500
Delivers clean music definition from 28 cps to
d the range of human hearing. Capacity, 60
. Requires at least 10 watts per channel. Im-
ce. 8 ohms. Handsome contemporary floor
et, finished in hand-rubbed oiled walnut. Size,
24¾x14¾″. 80 lbs. Shipped express.

217 MZ. *$11 Monthly*..............**212.10**

as low as
$53.50
$5 monthly



Series KS-1 Has 10″ Free-Piston Woofer, 5″ Midrange and 3″ Super-Tweeter

Deluxe XP-10 Has 15″ Woofer With 6-lb. Magnet, 8″ Midrange and 2″ Super-Tweeter

$212.10 $11 monthly

Deluxe Shelf Speaker Systems at Moderate Cost

$84.58 $5 monthly

Outstanding Performers For Every Hi-Fi System

as low as **$42.08** $5 monthly

$118.58 $6 monthly

$169.58 $9 monthly

-5 2-WAY 8″ SYSTEM. Offers outstanding perform-
ce from 38 to 18,500 cps. Contains 8″ free-piston woofer
2½-lb. magnet and 2½″ tweeter with 2000 cps cross-
AcoustiGlas-packed for excellent damping character-
Capacity, 10 watts. Impedance, 8 ohms. Bookshelf
10x20x9″. Shpg. wt., 16¾ lbs.

191 MX. Oiled Walnut. *$5 Monthly*..........**46.32**

294 MX. Ready-to-Finish Birch. *$5 Monthly*... **42.08**

-6 3-WAY 10″ SYSTEM. High-compliance, high effi-
ency system featuring 10″ free-piston woofer with
b. magnet structure. 5″ midrange and soft-dome
er with 120° dispersion. Crossovers, 300 and 2500
35-20,000 cps. Capacity, 60 watts (10 watts min.)
, 8 ohms. Scand. walnut. 23x13x10½″. 34½ lbs.

304 MU. *$5 Monthly*....................**84.58**

E **XP-7 3-WAY 12″ HIGH COMPLIANCE SYSTEM.** 4 speakers for exceptional performance. Contains: 12″ free-piston woofer with 5½-lb. magnet; two 5″ midranges; wide-dispersion soft-dome tweeter. L-C crossovers at 300 and 2500 cps. Response, 30-20,000 cps. Capacity, 60 watts (10 watts minimum). 8 ohms. Scandinavian walnut. 24½x14x12″. Shpg. wt., 44¼ lbs.

70 U 305 MU. *$6 Monthly*..................**118.58**

F **XP-9 3-WAY 12″ SYSTEM.** 5 speakers for outstanding naturalness: 12″ free-piston woofer with 6-lb. magnet; three 5″ midranges; wide-dispersion soft-dome tweeter. L-C crossovers (300 and 2500 cps). Response, 28-22,000 cps. Capacity, 60 watts (10 watts min.). 8 ohms. Scand. walnut. 24½x14x12″. 47 lbs.

70 U 306 MU. *$9 Monthly*..................**169.58**

Electro-Voice Acoustic-Suspension Speaker Systems

Acoustic-Suspension technique uses the air in a sealed-in enclosure to dissipate the mechanical "spring action" occurring in many conventional systems. The higher compliance achieved sharply reduces distortion, and dramatically enhances bass.

E-V SEVEN Ultracompact 2-Way Acoustic-Suspension System

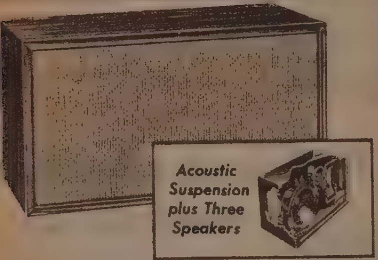
$58.50

$5 monthly

- Cabinet Only 10x19x9" Deep
- High-Compliance 8" Woofer
- Bass Response Down to 40 Cps
- High-Frequency Level Control

An extremely compact 2-way speaker system tha achieves exceptional sound quality from its newly engineered acoustic-suspension design. High-compliance woofer develops outstandingly natural and powerful bass, while a 3½" cone-speaker, employin E-V's unique polyurethane cone-damping to preven "break-up," ensures a crystal-clear response abov 2000 cps. Overall frequency response is a remarkable 40-15,000 cps. Electrical crossover distributes high notes to treble speaker. Continuousl variable level control permits you to match hig frequencies to the particular acoustics of any room Finished in attractive oiled walnut veneer on a four sides, can be placed vertically or horizontally o shelf or floor. Capacity, 25 watts. Impedance, ohms. Shpg. wt., 22 lbs.

70 U 748 MU. *$5 Monthly*.................**58.5**



E-V FOUR 3-Way Shelf-Size System

$124.20

$7 monthly

E-V's Finest Shelf-Size Speaker System . . Bass Down to 30 cps!

Reproduces music with breathtaking beauty. Long-throw 12" woofer has double-flux ceramic magnet and special voice-coil suspension. Compression-type midrange driver with ring diaphragm and diffraction horn. Isolated 5" cone-speaker VHF driver. Two balance controls. 30-20,000 cps response. Crossovers, 800 and 3500 cps. 30 watts. 8 ohms. Oiled walnut veneer. 14x25x13½". Wt., 50 lbs.

70 U 222 MU. *$7 Monthly*........**124.20**

70 U 223 MU. Unfinished Birch........**111.60**

A $15 monthly **$299.70** B $5 monthly **$97.20**

A E-V SIX 4-Way System with Huge 18" Woofer

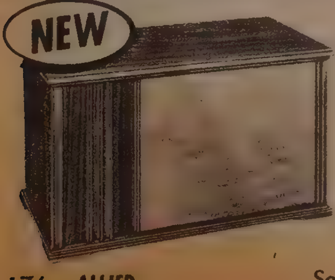
Even the experienced hi-fi listener will be deeply moved by unmatche music realism sweeping across the entire audio range. The *18-inc* woofer, with a massive 4-pound, 10-ounce magnet, gives you bass deep, so powerful that you can feel it as well as hear it. Midrange covered by 8" cone speaker and compression driver with horn. Compression-type VHF driver and horn for brilliant highs. Step-typ balance control. 4-way crossover. Oiled walnut. 20 cps to beyon audibility. Capacity, 35 watts. 8 ohms. 30x32x17½". 114 lbs.

70 U 228 MZ. Shipped express. *$15 Monthly*..................**299.7**

B **NEW E-V FIVE 2-WAY SYSTEM.** Delivers excellent wide-range soun at moderate cost. Specially designed 10" woofer lends dramat depth to the bass response, while 3½" cone treble speaker yields impressive treble. Continuously variable high-frequency level contro Electrical crossover. Oiled walnut veneer on all four sides. 30-17,00 cps. 30 watts. Shpg. wt., 42½ lbs.

70 U 747 MU. *$5 Monthly*.............................**97.2**

Coronet V Prefinished Tuned-Port Speaker System Kit



Assembles in Only 20 Minutes *without* Tools

With 8" Speaker

$29.50

$5 monthly

You'll wonder how a speaker system that looks an sounds so good, could cost so little. Takes only minutes to put together (even for the inexperience and you don't need any tools. Factory-finished oiled walnut by experts, and sporting a neat brass tri enclosure scores a decorative "plus" in any roo Heart of the Coronet system is an 8" coaxial speak boasting a frequency response of 50 to 13,000 c Crossover frequency is 6000 cps. Size, 12½x22 10⅞" deep. Capacity, 12 watts. Impedance, 8 ohm Shpg. wt., 27 lbs.

23 U 509 L2MU. *$5 Monthly*..................**29.5**

See Pages 184-188 For Electro-Voice Speakers Without Enclosur

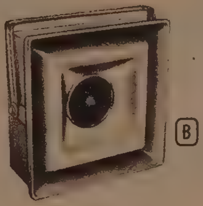
Hi-Fi Speakers and Furniture Kits

stocrat KD-6A 12″ Enclosure Kit

Extends Bass **$54⁰⁰** $5 monthly

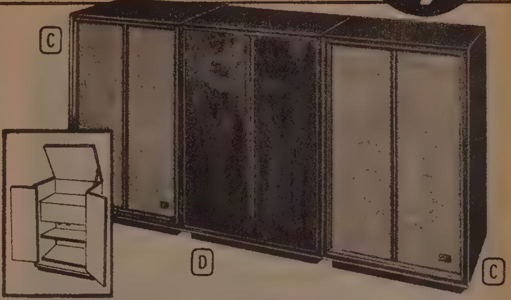
Corner design uses walls of room as an extension to built-in folded horn. Lowers bass range one octave. Takes any 12″ speaker plus components for 2 or 3-way system. Oiled walnut veneer. 29½x19x15⅞″. Wt., 34½ lbs.
70 U 229 MU. *$5 Monthly*..**54.00**

tdoor High-Fidelity Speakers



CASTER I. Portable. Has 8″ coax reproducer.
000 cps. Molded steel-gray housing. 16¾x
30 watts. 8 ohms. 8 lbs.
MX. *$5 Monthly*..........................**22.50**

ASTER. Smooth from 60-13,000 cps. 30-watts.
s. Tan aluminum housing. With U bracket.
½x8½″.
MU. *$5 Monthly* Wt., 37 lbs...........**54.00**
MU. Above, with Tweeter. 39 lbs..........**72.90**



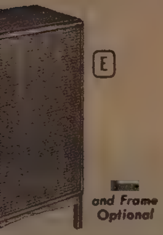
Enclosure and Equipment Cabinet Kits

KD-9A Kit **$56⁷⁰** $5 monthly | **KD-10 Kit** **$67⁵⁰** $5 monthly

C MARQUIS KD-9A ENCLOSURE KIT. Proven bass reflex, folded-horn design for deep, natural bass reproduction without corner placement. Assembles quickly, no special tools needed. Accepts 12″ speakers and 2 or 3-way speaker sytems without need for modification. Oiled walnut veneer. 29½x19x15⅛″. 47 lbs.
70 U 230 MU. *$5 Monthly*....................Each **56.70**

D KD-10 EQUIPMENT CABINET KIT. Matches the KD-9A and KD-6A enclosures. Top compartment (6⅛x19½x15¾″) for changer or deck, has lift-top and 5⅛″ space below mtg. board. Lower compartment (14⅞x19½x17¼″) has adjustable shelf for tuner and amplifier. Overall, 29½x21x18¼″. Oiled walnut veneer.
70 U 247 MZ. Wt., 66 lbs. *$5 Monthly*............**67.50**

agnificent Hi-Fi with Speaker Systems by LTV UNIVERSITY



edallion XII Contemporary 3-Way System

true-to-life music reproduction over a wide frequency
d a tastefully styled shelf-size enclosure that converts
model with optional base (below). Perfectly balanced
ts: 12″ woofer. 8″ midrange speaker, and Sphericon
28-40,000 cps. 24x17x11¼″. Handsome oiled walnut
watts. 8-16 ohms. Less base, frame. 39 lbs.
MU. *$7 Monthly*...............................**120.78**
MX. Floor Base. 4¼″ high. Wt., 3¾ lbs............**12.42**
MX. Contemporary Oiled Walnut Frame. 3 lbs.......**8.82**

y Classic Mark II for Unsurpassed Fidelity

nd that rivals what you hear from the best concert-hall
smart oiled walnut furniture styling. Has heavy-duty
r with specially designed voice coil, Uniferrox-7 magnet,
sive die-cast frame; 8″ midrange speaker; Sphericon
eeter; presence and brilliance controls. 20-40,000 cps.
s at 150 and 3500 cps. 60 watts. 4-8 ohms. 28¼x35x
luding legs). 110 lbs. Shipped express.
MZ. *$14 Monthly*...............................**265.50**

Enclosure Is also a Striking Octagon Table

$224⁶⁴
$12 monthly

Deluxe Mediterranean 3-Way System

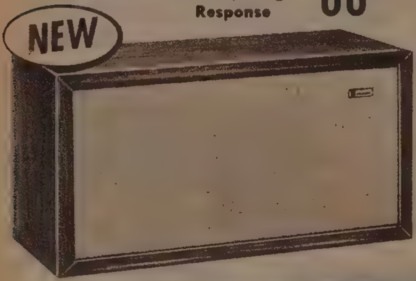
A new concept in speaker system styling . . a hi-fi component that's also an important *furniture* piece. Response, 28 cps to beyond audibility with stunning realism. Speakers are in perfect balance. Consist of: 12″ high-compliance woofer with 2″ voice coil; 8″ direct-radiator midrange speaker, separately housed; Sphericon tweeter. Crossovers at 800 and 5000 cps. Brilliance and presence controls. Grained antique butternut, pumice-brown finish, accented with matching hardware. 24⅜x24⅜x22½″. Capacity, 50 watts. 8 ohms. 74 lbs.
70 U 122 MZ. *$12 Monthly*..............**224.64**

ges 184-188 For University Speakers Without Enclosures

UNIVERSITY Shelf-Size 3-Way Speaker System

A

Outstanding Response $88 92 $5 monthly

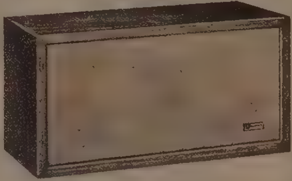


B

Danish Modern $62 82 $5 monthly

An Extraordinary Shelf-Size System $115 02 $6 monthly

C



A Senior IIA 3-Way 12" Speaker Syster

- High-Style, New and Advanced Version of the Senior II
- Sphericon Super Tweeter Reproduces the Upper Range Unbelievable Clarity and Fidelity to 22,000 cps
- Ultra-Linear 12" Woofer, Lows to 30 cps • 3½" Midra

Delivers balanced, natural sound throughout an extren wide range. Both high and low-end frequency reproduc is amazingly authentic. Bass notes resound with powe authority; midrange gives that "in person" feeling; tones are transparent and pure. Cabinet is completely styled, even the front molding and grille cloth are upd for greater attractiveness. Includes variable brillian presence control for tweeter and midrange tonal adj ment. Bass-reflex enclosure utilizes Radiation Resist Loading for improved low frequency response. Crossov 2000, 4000 cps. Capacity: 30 watts. 8-16 ohms. Oiled wa veneer. 15⅞x23¾x11½". 44 lbs.
70 U 120 MU. *$5 Monthly*.................88

UNFINISHED MODEL. Ready-to-finish; sanded birch.
70 U 118 MU. *$5 Monthly*.................7

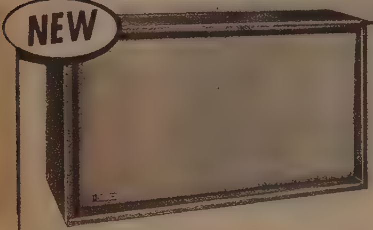
B Ultra-D 3-Way 10" Speaker System

- Features 10" Ultra-Linear, High-Compliance Woofer
- Compact Unit Offers Big Sound at Surprising Low

Tastefully styled enclosure houses three fine speakers ering 35-19,000 cps. Includes: 10" woofer; 4" midrange specially treated curvalinear diaphragm; 3½" tweeter rigid diaphragm and aluminum voice coil. Midrange tweeter are isolated from woofer to eliminate IM di tion. Perfect component-matching for superb sound. C bination brilliance/presence control. Exclusive Radi Resistance Loading enhances bass response. Crosso 1000, 5000 cps. Capacity: 32 watts. Impedance: 8-16 o Oiled walnut veneer. 11⅞x23⅞x9¾". 24 lbs.
70 U 121 MU. *$5 Monthly*.................62

C Medallion Monitor 3-Way 12" Systen

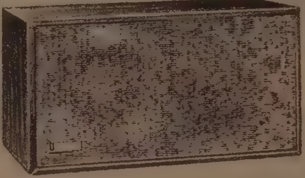
University's finest shelf-size system. Reproduces music astounding realism. Perfectly integrated components woofer to produce deep, solid bass; 8" midrange for sm middle tones; and Sphericon Super tweeter for extre clear highs and 120° dispersion. Response: 28-40,000 Crossovers: 60 and 4000 cps. Capacity: 40 watts. I dance: 8-16 ohms. Oiled walnut veneer. 15¾x23½x1 Shpg. wt., 37¾ lbs.
70 U 128 MU. *$6 Monthly*.................11



$71 64

Companion IIA 3-Way System

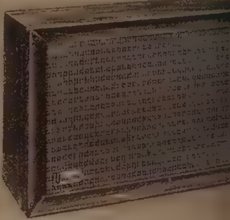
Offers prestige appearance, and excellent sound. Fancy molded front edging. Has 10" woofer, 3" midrange, 3½" tweeter for impressive reproduction. Brilliance control. Response: 35-18,000 cps. Crossovers: 1000, 7000 cps. 30 watts. 8 ohms. Oiled walnut veener. 13½x24x12". Shpg. wt., 33 lbs.
70 U 124 MU. *$5 Monthly*......71.64
70 U 125 MU. Unfinished Birch......62.82



$56 52

Companionette 3-Way System

Features University's long-throw voice coil in powerful 8" woofer for amazing linearity. Clean, smooth bass response is unusual in an enclosure of such moderate size. Full-range response, 40-17,000 cps. 3" midrange, 3½" tweeter with level control. Capacity, 20 watts program. 8 ohms. Oiled walnut veneer. Size, only 11½x21¾x8⅝". Shpg. wt., 20 lbs.
70 U 273 MX. *$5 Monthly* **56.52**



$44 28

Miniflex II 3-Way Syste

Amazingly compact system vides marvelous sound. Spe designed woofer overcomes limitations of miniaturization. tures 6½" "Q" woofer, 3½" range, 3½" tweeter. Except response, 45-18,000 cps. overs: 800, 2000 cps. Capacit watts. Impedance: 8 ohms. E frame; attractive oiled walnu neer. 9½x15x6". 11¾ lbs.
70 U 274 MX. *$5 Monthly* 4

University Speakers Alone (Less Enclosures) on Pages 184-

nsen Deluxe Hi-Fi Speaker Systems

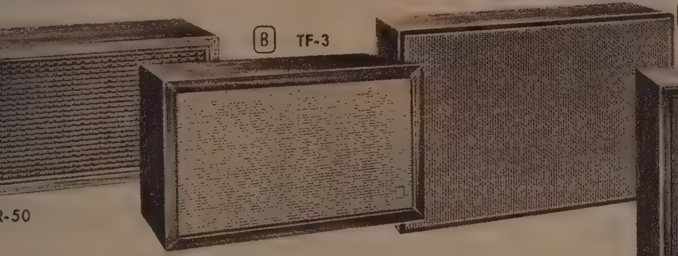
eat-Sounding PR-200 3-Way 12″ System

ines smart styling, skilled craftsmanship, and superior performance. Powerful, highly natural lows pro- by precision 12″ Flexair woofer with heavy 1¾ lb. t. MH-400 Aspheric Sono-Dome midrange speaker s the all-important middle frequencies. E-100 Sono- Ultra-Tweeter goes beyond the 20,000-cycle mark. ce controls for mid-high frequency tones. Wrap- d grille fabric of textured rattan enhances the oking oiled walnut veneer. Response: 25-20,000 cps. ity: 35 watts. Impedance: 8 ohms. 14x25x10$^{13}/_{16}$″. wt., 44 lbs.
00 MU. *$8 Monthly*........................**140.73**

NEW

$140.73

$8 monthly



50 2-WAY SYSTEM. 5¼″ woofer, 00 Ultra-Tweeter. ±3 db, 48- cps. 30W. 8 ohms. 9⅝x18⅛x Walnut. Wt., 17½ lbs.
01 MX. *$5 Monthly*.....**54.49**

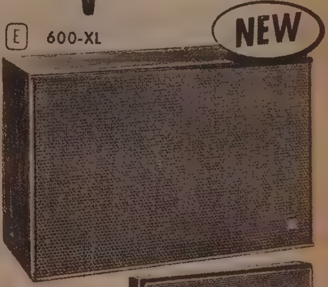
2-WAY 12″ SYSTEM. Above, ″ Flexair woofer, MH-400 mid/ Fiberglas filled. 25-20,000 cps. 14x25x11¼″. 46½ lbs.
07 MU. *$6 Monthly*...**117.21**

3 4-SPEAKER, 3-WAY 10″ SYS- . 10″ woofer, two 3½″ mids, Dome Ultra-Tweeter, control. to beyond audio range. 25W. ns. Walnut. 13½x23¾x11⅜″. wt., 36 lbs.
02 MU. *$5 Monthly*....**90.55**
03 MU. Unfinished........**78.01**

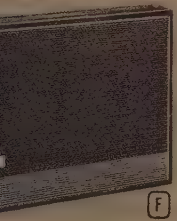
4 5-SPEAKER, 4-WAY SLENDER ELF. Flexair woofer, 8″ midrange, two 3½″ tweeters, E-10 Ultra-Tweeter, control. 25 cps to beyond audibility. Other specs as TF-3. Walnut. 16x 25½x8¾″.
70 U 704 MU. 38 lbs. *$6 Mo.* **106.23**
70 U 705 MU. Unfinished........**89.77**

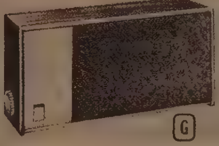
D **PR-300 3-WAY 12″ MEDITERRANEAN STYLE SYSTEM.** Components similar to PR-200 above. 25-20,000 cps. With Stand. Walnut. 8 ohms. 18¼x 25½x14$^{5}/_{16}$″. 65 lbs.
70 U 706 MZ. *$9 Monthly*...**176.79**

E **600-XL 4-WAY 12″ SYSTEM.** Flexair 12″ woofer, 3½-lb. magnet; PD-500 midrange; RP-302A Super-Tweeter; E-100 Ultra-Tweeter, controls, 25-20,000 cps. 40W. 8 ohms. Genuine walnut veneer. 16¼x25½x11″. Shpg. wt., 59 lbs.
70 U 708 MZ. *$11 Monthly*...**211.29**

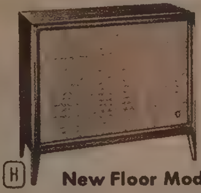


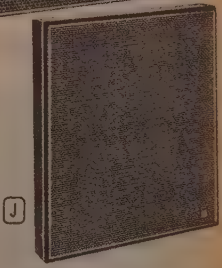
Ultracompact 2-Way Speaker Systems





New Floor Model and Slim-Panel





0 3-SPEAKER, 2-WAY SYSTEM. Only 2⅝″ deep. ooth, wide-range response and especially crisp to 14,000 cps. Special "shallow" woofer, 2 tweeters. e control. Wall hangers. Crossover: 2000 cps. 6 8 ohms. Oiled walnut veneer; 2-tone harmonizing Only 12⅞x15⅜x2⅝″. 10½ lbs.
709 MX. *$5 Monthly*........................**39.16**

1 2-WAY SYSTEM. Fits nearly anywhere! Perfect small rooms or apartments where space is at a um. Special woofer with powerful "Syntox-6" mag- nd pure-sounding 3″ tweeter to extend response to cps. Volume control. Wall hangers. 6 watts. 8 Oiled walnut. 6⅝x13$^{11}/_{16}$x4″. 7 lbs.
710 MX. *$5 Monthly*........................**27.83**

H **PR-400 3-WAY 15″ CUSTOM CONSOLE.** Jensen's finest system. Smooth response from 20-20,000 cps! Includes: 15″ Flexair woofer, MH-400 Aspheric Sono-Dome midrange, E-100 Sono-Dome Ultra-Tweeter. Midrange and high-frequency balance controls. Crossovers: 1000, 5000 cps. 40W. 8 ohms. Walnut. 29½x34x14¼″.
70 U 711 MZ. 89 lbs. *$13 Monthly*..............**247.35**

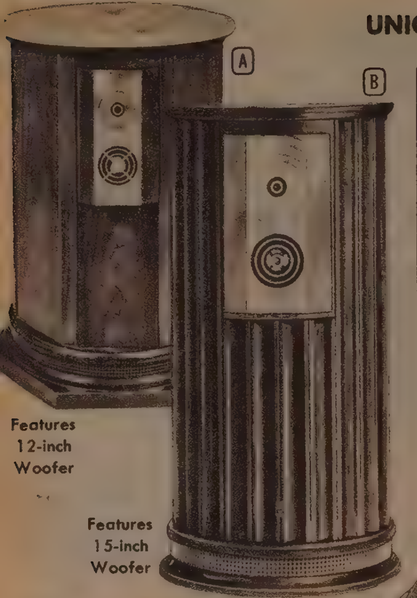
J **PF-2 5-SPEAKER, 4-WAY 10″ SLIM PANEL.** Remarkable system only 3⅝″ deep. W-shaped 10″ Polyform woofer, 8″ midrange, two 3½″ tweeters, Sono-Dome Ultra-Tweeter. Brilliance control. 20 cps to beyond audio range. Crossovers: 600, 4000, 10,000 cps. 25 watts. 8 ohms. Oiled walnut. 26⅞x22¼x3⅝″. 41 lbs.
70 U 712 MU. *$7 Monthly*..................**132.89**

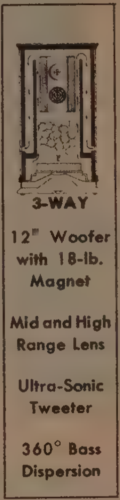
on Speakers Alone (Less Enclosures) on Pages 184-188

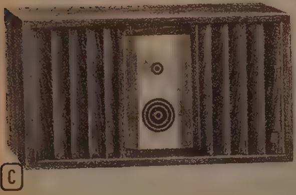
EMPIRE

"Grenadier" Speaker Systems

UNIQUE DESIGN SOLVES PLACEMENT PROBLEMS!







Rectangular Version of Cylindrical Systems—Uses Same Speakers

"Grenadier" Acoustic Lens and Woofers—Available Separately for Custom Mounting

[A] **NEW MODEL 8000P "GRENADIER."** Unique cyl drical design delivers music smoothly and eve to every corner of the room. Mass-loaded 12" woo features floating suspension, 6 dynamic reflex justable stops (increase bass 1 db per stop), 4" vo coil and massive 18-lb. magnet structure. Fa downward to provide full-circle dispersion and prevent standing waves from developing in room. Direct radiator midrange and ultra-so dome tweeter in acoustic lens assembly offer traordinarily wide dispersion—perfectly balan listening. Tweeter has 3-position level control. T tally damped cabinet, finished in satin walnut, imported marble top. 25-20,000 cps. 60 watts ohms. 16" dia., 29" high. 85 lbs. Express.
70 U 285 MZ. *$11 Monthly*.................**204.**

70 U 269 MZ. Model 8000. Above, but less mar top, tweeter level control and bass reflex sto Walnut laminate finish. 15¼" dia., 29" high. Sh wt., 72 lbs. Express. *$8 Monthly*..........**159.**

[B] **MODEL 9000M "ROYAL GRENADIER."** Similar Model 8000P, above; but wider range (20-20, cps), larger woofer (15"), larger overall diame (22") and hexagonal base. Imported marble t 29" high. 123 lbs. Express.
70 U 270 MZ. *$13 Monthly*..............**249.**

70 U 271 MZ. Model 9000W. Above, but with m proof satin walnut top. 100 lbs. *$12 Monthly*. **239**

[C] **MODEL 8400 "BOOKSHELF GRENADIER."** R tangular version of Model 8000 above. Sa speakers, damping and specs. Satin walnut fin 13¾x25x12¾". 70 lbs. Express.
70 U 287 MZ. *$9 Monthly*..............**179.**

[D] **MODEL 9000/MHX ACOUSTIC LENS SYSTEM.** Sa as in "Grenadier" systems, above. 450-20, cps (crossovers: 450 and 5000 cps.). 60 watts. 10 6¼x3¼" deep. 14 lbs.
71 U 450 MX. *$5 Monthly*..............**79.**

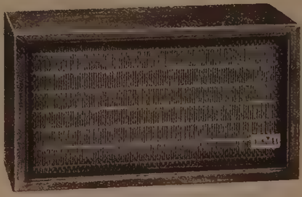
[E] **MODEL 8000/12W 12" WOOFER.** Same as Model 8000P. 3½" deep. 60 watts. 23 lbs.
71 U 451 MU. *$5 Monthly*..............**61.**

[F] **MODEL 9000/15W 15" WOOFER.** Same as Model 9000M. 6" deep. 75 watts. 25 lbs.
71 U 452 MU. *$5 Monthly*..............**74.**

EMI High-Quality Speaker Systems for Shelf and Floor

Model 812 2-Way System

Bookshelf speaker system, designed to deliver clean, evenly dispersed music at low or high volume levels. Incorporates 6½" cone-type woofer and 3⅜" damped cone-type tweeter, each with ceramic magnet. Provides substantially flat response from 80 to 15,000 cps. Crossover network at 4500 cps. 10½x14¼x8". Oiled walnut on all 4 sides. 10 watts. 8 ohms. From Great Britain. Wt., 14 lbs.
70 U 396 MX. *$5 Monthly*.....**49.95**



Model 319 2-Way System

Features 13½x8⅛" elliptical woofer with aluminum center cone for exceptionally flat, smooth mid-range. Specially damped 3⅜" tweeter provides transparent highs beyond human hearing. Crossover. 11½x23x10¾". Oiled walnut. 15 watts. 8 ohms. From Great Britain. Wt., 35 lbs.
70 U 398 MU. *$5 Monthly*.....**99.75**
70 U 397 MU. Model 630. Above, but smaller elliptical woofer. 11x20½x 9⅞". 25 lbs. *$5 Monthly*.......**69.75**

Deluxe DLS-529 2-Way Syst

A product of finest craftsmans 13½x8⅛" elliptical woofer with minum center cone reproduces and music from 40-4500 cps with most fidelity. Two specially desig 3½" tweeters cover the 4500-15, cps range with meticulous atten to detail. Crossover at 4500 cps. 24x12¼". Oiled walnut on all 4 si 20 watts. 4 ohms. From Great Brit Shpg. wt., 43 lbs.
70 U 399 MU. *$8 Monthly*....**159.**

TC-Designed Goodmans' Speaker Systems

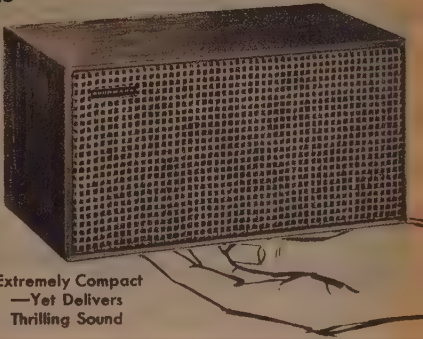
UMATIC SUSPENSION "MAXIMUS" SYSTEMS

Phenomenal "Maximus 1"—No er Than a Table Radio—Yet fers Brilliantly Natural Sound

must hear it to believe it! Startling rmance from a speaker system no larger a table model radio. Fully utilizes ragm behavior and electro-magnetic ol characteristics to deliver unusually nd remarkably clean response. Features oned air pneumatic suspension woofer $3\frac{1}{2}$-lb. magnet. Backloaded mid/high ency driver has L-C crossover at 1900 45-20,000 cps. $7\frac{1}{4}$x$10\frac{1}{2}$x$5\frac{1}{4}$". Oiled ut. 15 watts. 8-16 ohms. 11 lbs.
322 MX. *$5 Monthly*............**59.50**

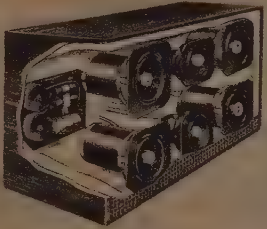
Cutaway of "Maximus 1"

$59.50
$5 Monthly



Extremely Compact
—Yet Delivers
Thrilling Sound

NEW!



Cutaway of "Maximus 3" Shows 6 Speakers and Crossover Network

NEW!

"Maximus 4"
2-Way System

Features New 8" Version of Cushioned Air Pneumatic Suspension Woofer with 3 ½-lb. Magnet Structure

aximus 7" 3-Way System

inest "Maximus"! Engineered to eate vocal and musical passages all the timbre, tone and natural nce of the original. Heavy-duty neumatic suspension woofer with $9\frac{1}{2}$-lb. ceramic magnet struc- delivers rich, solid bass. Two oaded, wide dispersion midrange tors and an ultra-sonic dome er provide smooth response far nd human hearing. Crossovers, and 8000 cps. 25-35,000 cps. 14x 2". Oiled walnut. 8-16 ohms. 59 Express.
328 MZ. *$10 Monthly*...**189.00**

"Maximus 3" 2-Way System

Finest 2-way in the "Maximus" series! 4 specially designed high compliance woofers give extraordinarily precise critical damping for perfect transient response. Each features massive $3\frac{1}{2}$-lb. magnet structure and flux-density of 14,000 gauss. Two midrange/high frequency drivers deliver brilliantly transparent highs and realistic midrange for truly authentic reproduction. Crossover at 1900 cps. 30-20,000 cps. Size, $12\frac{3}{4}$x18x10". Finished in oiled walnut on all 4 sides. 60 watts. 8-16 ohms. Shpg. wt., 40 lbs.
70 U 324 MU. *$9 Monthly*...**169.00**

"Maximus 4" 2-Way System

Lowest priced 2-way system in the "Maximus" series. Features newest 8" version of famous "Maximus" cushioned air pneumatic suspension woofer with $3\frac{1}{2}$-lb. magnet structure for clean, solid bass. Shielded, backloaded midrange/high frequency driver gives sparkling rendition of 1800-20,000 cps range. "Kontoured Acoustic" control lets you adjust the sound to suit the individual room acoustics. Crossover at 1800 cps. 35-20,000 cps. $11\frac{3}{4}$x$21\frac{3}{4}$x$11\frac{3}{4}$". Oiled walnut. 40 watts. 8-16 ohms. Shpg. wt., 31 lbs.
70 U 329 MU. *$5 Monthly*.....**97.50**

AAXIMUS 5" 2-WAY SYSTEM. Bookshelf system enneered to exceed all standards for music clarity. cushioned air pneumatic suspension woofer with magnet and backloaded mid/high frequency driver des smooth, clean 30-22,000 cps response. Adjust- "Kontoured Acoustic" control. 14x24x12". Oiled ut. 50 watts. 8-16 ohms. 53 lbs. Express.
332 MZ. *$7 Monthly*..........................**129.00**

AAXIMUS 6" 3-WAY SYSTEM. Virtually flat response om 25 to 22,000 cps. Features 12" cushioned air matic suspension woofer with $9\frac{1}{2}$-lb. double-duty net, plus two wide-dispersion mid/high frequency rs with crossovers at 1800 and 8000 cps. 2 ntoured Acoustic" controls. 14x24x12". Oiled wal- 75 watts. 8-16 ohms. $57\frac{1}{2}$ lbs. Express.
333 MZ. *$9 Monthly*..........................**169.50**

MAXIMUS 2" 2-WAY SYSTEM. Compact bookshelf stem featuring the advances of "Maximus 1," e—plus another pneumatic suspension woofer. 11x x8". 30 watts. 8-16 ohms. 25 lbs.
323 MU. *$6 Monthly*..........................**109.00**

NEW!

Cutaway View of "Maximus 5" and Removable Grille

NEW!

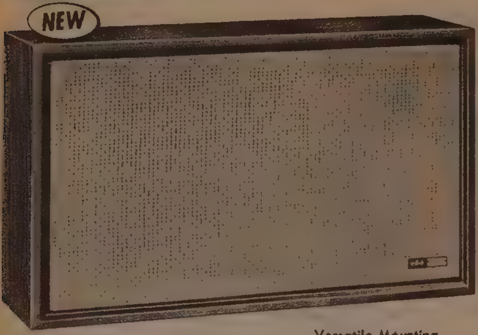
Cutaway View of "Maximus 6" and Removable Grille

Compact 2-Way Shelf System

"Maximus" Speaker Systems are Made in England

utah

New Shelf-Size Speaker System



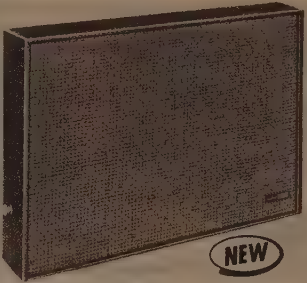
Versatile Mounting . . .
Stands Either Vertically or Horizontally

PRO2 8″ 2-Way System with Two Tweete

$53^85
$5 monthly

- Wide-Range Response from 35-19,000 cps
- High-Compliance, Cloth-Suspended 8″ Woo
- Compact, Only 7″ Deep; • Two Tweeters
- ¾″ Panels in Attractive Oiled Walnut

Utah breaks the "sound" barrier by engineering a low-c
system with excellent response characteristics in a surpr
ingly small-size enclosure. This feat was accomplished
combining a highly compliant, compact woofer with t
3½″ tweeters of exceptional high-frequency capabiliti
You'll marvel at the realistic reproduction, clear and
tural from 35-19,000 cps. Woofer has 6.8-oz. Alnico
magnet and 1½″ voice coil. Sealed cloth-roll suspens
and special sealants on back panel also enhance bass p
formance. Each tweeter has Alnico VIII magnet and
voice coil. LC crossover at 4500 cps. Capacity, 25 wat
Impedance, 8 ohms. 12x24x7″. 23 lbs.
70 U 064 MU. *$5 Monthly*. . . . .**53.**



Deluxe 10″ 3-Speaker System

$93^05
$5 monthly

- Many Top-Notch Extras
- Big 10″ Woofer, plus Two 3½″ Tweeters

PRO 1. Premium features! Acoustic Suspension high-compliance woofer for deep bass. Tweeters have Alnico VIII magnets. Rear-panel tweeter-level control. LC crossover. Fiberglas damping. Snap-out grille. ¾″ panels. 30-19,500 cps. 40 watts. 8 ohms. Oiled walnut. 12x24x12″. 41 lbs.
70 U 068 MU. *$5 Monthly*. **93.05**

Picture-Thin 8″ 2-Way System

$24^45
$5 monthly

- Only 3⅛″ Deep!
- 8″ Woofer, 2 Tweeters
- With Volume Control

PT4B. Hugs the wall like a picture (has keyhole slots), or nestles on floor. Requires minimum space, puts out impressive sound. 8″ woofer has efficient barium-ferrite magnet. Two 3½″ tweeters; electrical crossover. 8 watts. 8 ohms. Oiled walnut. 12x18x3⅛″. 7 lbs.
70 U 065 MX. *$5 Monthly*. **24.45**

8″ 3-Way Coaxial System

$39^15
$5 monthly

- Fine Sound, Low Co
- Features 8″ Woofe
Whizzer and Tweete

SH4C. Woofer has efficient 10-oz. b
ium-ferrite magnet and cloth-roll s
pension for smooth bass. Whizzer off
clear midrange. Electrically indep
dent tweeter has Alnico VIII magn
Rigid die-cast speaker frame.
17,000 cps. 12 watts. 8 ohms. Oi
walnut. 12x20x5¼″. 15 lbs.
70 U 067 MX. *$5 Monthly*. . . . .**39.**

ALTEC

Outstanding Biflex 8″ and Duplex 15″ Speake

New!
Professional
Super Duplex
15″ Speaker

A New 604E 15″ Super Duplex

For those who demand finest reproduction! Speaker's performance is so good it's recommended for recording studios and for broadcast monitoring. Smooth response from 20 cps all the way up to 22,000 cps! Super-efficient dual-magnetic structure weighs almost 27 lbs. Coaxially mounted multicellular horn provides 40°x90° dispersion. Electrical crossover, high-frequency shelving control with 0 to −10 db range. 35 watts. 16 ohms. Shpg. wt., 40 lbs.
71 U 215 MU. *$9 Monthly*. . .**179.10**

B 605B 15″ Duplex Speaker

Suitable for professional-quality m
itoring and playback. Superb perfor
er. Features 2 mechanically and el
trically independent speakers on sin
frame for compactness and installat
ease. High compliance for control
linear excursion. Bass cone has
voice coil and 2½-lb. magnet; tweet
1¾″ aluminum voice coil. Exponent
horn gives 40° vertical, 90° horizon
dispersion. Crossover, 1600 cps.
22,000 cps. 35 watts, 50 peak.
ohms. 36 lbs.
71 U 214 MU. *$8 Monthly*. . .**151.**

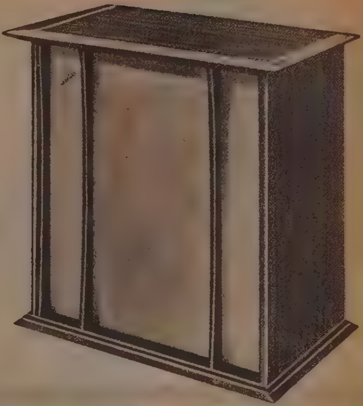
C 755C Biflex 8″ Speaker is Only 2¼″ Deep

"Pancake" speaker with "Biflex" multiple concentric compliance suspensi
Delivers unusually wide range of 40-15,000 cps with smooth 90° dispersion.
dex V 1½-lb. magnet. Edge-wound aluminum voice coil and deep magne
gap for precise cone control. 15 watts. 8 ohms. 5 lbs.
71 U 217 MX. *$5 Monthly*. . . . .**29.**

See Pages 184-188 for Utah Speakers Without Enclosu

orld-Famous British Speakers by Wharfedale

0 MK II 3-Way Deluxe System with Achromatic Design



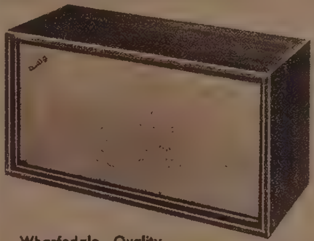
40^{40}
monthly

- A Speaker System Befitting the Finest Stereo System
- Not only a Precision Musical Reproducer, But a Distinctive Furniture Piece That Will Grace Your Decor
- Very Versatile, Mounts Vertically or Horizontally

s thrilling high-fidelity and tasteful styling. Unique Achromatic ruction: white sand densely packed between layers of hardwood. creates an inert mass to prevent bass resonance and results in strik- natural, full-fidelity sound. System has 12½″ woofer with huge b. magnet for extended bass; 10¼″ midrange with 2-lb. magnet for nce and clarity; 3″ tweeter with 3½-lb. magnet for pure, widely rsed highs. LC crossovers at 1500 and 6000 cps. Brilliance control. eful lines reflect "table-top" styling for exceptional versatility and ctiveness. Oiled walnut finish. 8 ohms. 23⅞x24x14½″. Base below nmended. 76 lbs. Shipped express.
317 MZ. *$8 Monthly*............................**140.40**

318 MZ. Unfinished Birch. No curved molding, decorative center ings, or extended top and base. Sanded. 77 lbs. Express....**122.80**

Base Optional



Wharfedale Quality at Lowest Cost

ACHROMATIC DESIGN..SAND BETWEEN HARDWOOD LAYERS PREVENTS RESONANCE

0 MK II Dual 3-Way System

18^{00}
monthly

- Wharfedale's Finest
- 6 Balanced Speakers
- Magnificent Sound!

erful bass down to lowest orches- cones, plus excellent mid and up- ange. Has 6 speakers (dual 3-way m) balanced and tuned to sand- enclosure. Includes 2 each: in- ually chambered 12½″ woofers 9½-lb. magnets; 5½″ midrange 3″ tweeter, each rear-mounted free-floating fronts to prevent e distortion; LC crossovers at 500 6000 cps. Impedance, 4 ohms. l walnut. Base below optional. x30¾x14¼″. 130 lbs.
315 MZ. Express.......**218.00**

W40 MK II 2-Way System

\$66^{80}
$5 monthly

- An Exceptional Value
- Exclusive Sand Filled
- Ultracompact Design

Exclusive Achromatic design and many other features of the higher priced Wharfedale systems for truly impressive performance. Full-range reproduction is assured by 10¼″ woofer having 2-lb. magnet, paired with 5″ tweeter having 1¼-lb. magnet and brilliance control. LC crossover at 1500 cps. Mounts vertically or horizontally. Admirably suited to rooms where space must be carefully utilized. Oiled walnut. 8 ohms. 12½x23½x 10⅛″. Wt., 39¼ lbs.
70 U 321 MU. *$5 Monthly*.....**66.80**

W60 MK II 2-Way System

\$98^{00}
$5 monthly

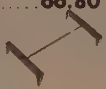
- Extremely compact, Yet Has Big 12½″ Speaker
- Decorator Styling

Designed at modest price with the critical audio connoisseur in mind. Sand-filled feature permits full, rich bass down to 20 cps. Outstanding sound from 12½″ woofer with 9½-lb. magnet and special 5″ tweeter with 1¼-lb. magnet. Both speakers critically tuned to enclosure. Crossover at 1500 cps. Includes treble brilliance control. Mounts vertically or horizontally. Oiled walnut. 8 ohms. 14¼x24x 13″. 51 lbs. Express.
70 U 319 MZ. *$5 Monthly*.....**98.00**

70 U 320 MZ. Unfinished Birch. No curved molding, decorative center molding, or extended top and base. Sanded. 51 lbs. Express........**85.20**

Model B67 4-Leg Universal-Mounting Base

590 MX. Fits W60, W70, W90 speaker systems. Attractively ned in oiled walnut. 1¾ lbs...........................**10.50**



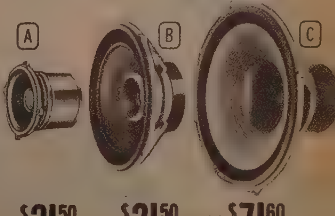
eluxe Speakers..Tweeter, 8″ and 12″ Full-Range Units

UPER 3 TWEETER. Response, 1000- ,000 cps. 8 ohms. 3⅝″ dia. 2¾″ . Shpg. wt., 4½ lbs.
185 M. *$5 Monthly*......**21.50**

UPER 8/RS/DD 8″ SPEAKER. Full nge, 40-20,000 cps. Aluminum coil, foam surround. 10-15 ohms. deep. Wt., 6 lbs.
235 M. *$5 Monthly*......**21.50**

192. 3000-cps High-Pass Filter. For Super 3 with Super 12/RS/DD hers. 4 mfd. 4 oz..............**60¢**

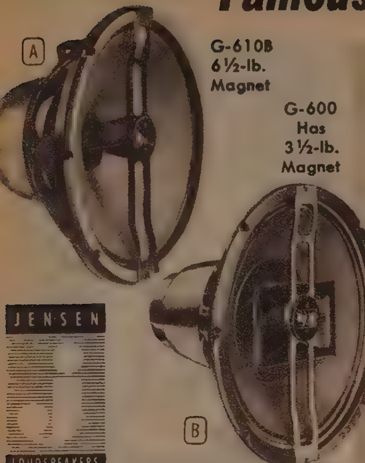
C SUPER 12/RS/DD 12″ SPEAKER. Delivers outstanding, natural sound. Features powerful Alcomax III magnet. 17,000 gauss flux density; total flux, 190,000 for powerful bass. Aluminum voice coil for maximum high-end response. Die-cast frame and roll suspension for maximum bass even in smallest enclosures. Response: 25-20,000 cps. Bass resonance: 26-36 cps. Impedance: 12-15 ohms. Depth: 7″. Shpg. wt., 16½ lbs.
71 U 183 MX. *$5 Monthly*....**71.60**



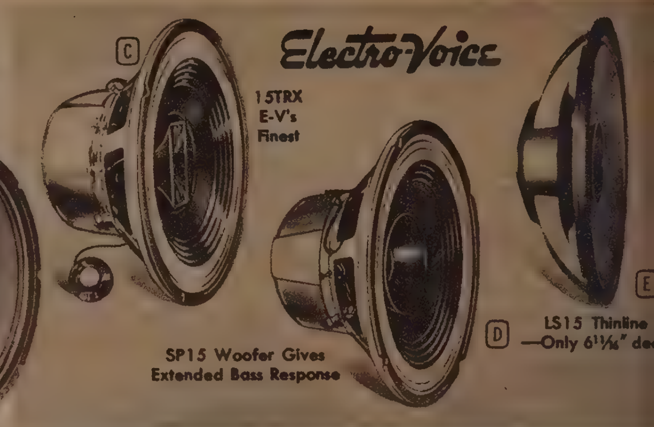
\$21^{50} $5 monthly
\$21^{50} $5 monthly
\$71^{60} $5 monthly

Your Speaker or System Now, Use Your Allied Credit Fund

Famous Full-Range 15" Hi-Fi Speaker



JENSEN
LOUDSPEAKERS



Jensen 15" Speakers Featuring Superb 3-Way Design

[A] **MODEL G-610B.** Represents the ultimate in balance, efficiency, smoothness and tonal purity. Precision combination of 15" woofer with heavy 6½-lb. Alnico magnet for bass below 25 cps; thru-bore compression midchannel horn (600-4000 cps) and compression-driver supertweeter (4000 cps to beyond human hearing). Separate dual crossover networks (600 and 4000 cps) have individual balance controls. Heavy cast frame. Capacity, 40 watts. Impedance, 16 ohms. 10½" deep. Shpg. wt., 46 lbs.
71 U 370 MU. *$13 Monthly*. . **258.72**

[B] **MODEL G-600.** Lower cost version of Model G-610B, above. Features 15" edge-damped woofer with 3½-lb. Alnico magnet (30-900 cps); thru-bore compression midchannel horn (900-4000 cps) and phase-balanced compression horn supertweeter (4000 cps to beyond human hearing). Separate dual crossover networks (900 and 4000 cps) have individual balance controls. Heavy cast frame. Capacity, 35 watts. Impedance, 16 ohms. 10½" deep. Shpg. wt., 33 lbs.
71 U 371 MU. *$7 Monthly*. . . **137.20**

Electro-Voice Deluxe 15" Speakers at Moderate Cost

[C] **MODEL 15TRX.** E-V's finest 3-way, designed to please exceptionally critical listeners. Combines 15" woofer with Radax propagator and 4⅝"-lb. double-flux ceramic magnet, and horn-loaded wide-dispersion supertweeter. Crossover networks at 2000 and 3500 cps; individual balance controls. Response, 20-20,000 cps. Capacity, 40 watts. Imp., 16 ohms. 8¼" deep. Shpg. wt., 30½ lbs.
71 U 136 MU. *$6 Monthly*. . . **117.00**

[D] **MODEL SP15.** Radax coaxial spe
er operating both cone eleme
from a single voice coil to spread sou
smoothly throughout the entire a
ible spectrum. 15" woofer with 4⅝"-
double-flux ceramic magnet deliv
bass down to 25 cps. Radax propaga
gives smooth response to 15,000 c
Crossover, 3500 cps. L-pad control.
watts. 16 ohms. 8⅛" deep. Shpg. w
29¾ lbs.
71 U 132 MU. *$5 Monthly*. . . . . **75.**

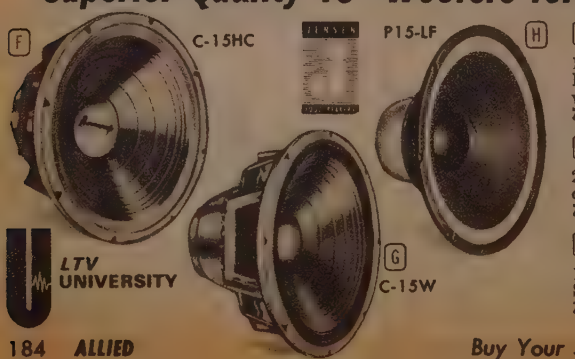
[E] **MODEL LS15.** E-V's lowest priced 15" hi-fi speaker. Incorporates fam
"Wolverine" woofer and Radax propagator for ultra-smooth response fr
30 to 14,000 cps. Crossover, 4500 cps. Resonance, 50 cps. Capacity, 20 wa
Impedance, 8 ohms. $6\frac{11}{32}$" deep. Shpg. wt., 10 lbs.
71 U 123 MX. *$5 Monthly*. . . . . **25.**

LTV
UNIVERSITY

Model 315-C Deluxe 15" 3-Way Hi-Fi Speaker

Features theater-type woofer with 6½-lb. magn
dual-spider piston and anti-breakup, low-resonan
diaphragm. Also incorporates Diffusicone midran
with crossover at 1000 cps, Hypersonic driver
axially mounted wide-dispersion VHF horn. Cov
audio spectrum from 25 to 20,000 cps. Balance c
trols. Capacity, 50 watts. Impedance, 8 or 16 oh
12" deep. Shpg. wt., 34 lbs.
71 U 008 MU. *$7 Monthly*. . . . . **138.**

Superior-Quality 15" Woofers for Ultimate Base Response



[F] **UNIVERSITY MODEL C-15HC.** Twin-spider susp
sion 2¾-lb. magnet and dual voice coil. Respon
18-800 cps. Resonance, 28 cps. Capacity, 60 wa
Impedance, 4-8 and 10-20 ohms. 8⅛" deep. Sh
wt., 21 lbs.
71 U 026 MU. *$5 Monthly*. . . . . **79.**

[G] **UNIVERSITY MODEL C-15W.** Twin-spider suspensi
6-lb. magnet and dual voice coil. Response, bel
25 to 1500 cps. Capacity, 50 watts. Impedance, 4
ohms. 10½" deep. Wt., 26¼ lbs.
71 U 025 MU. *$5 Monthly*. . . . . **76.**

[H] **JENSEN MODEL P15-LF.** "Flexair" type for h
efficiency, long travel and ultra linearity. Respon
16-2000 cps. Capacity, 40 watts. Impedance, 16 oh
Shpg. wt., 18 lbs.
71 U 372 MX. *$5 Monthly*. . . . . **65.**

Buy Your Speakers Now on Allied's Credit Fund Pl

ue-Packed 3-Way 12" Hi-Fi Speakers

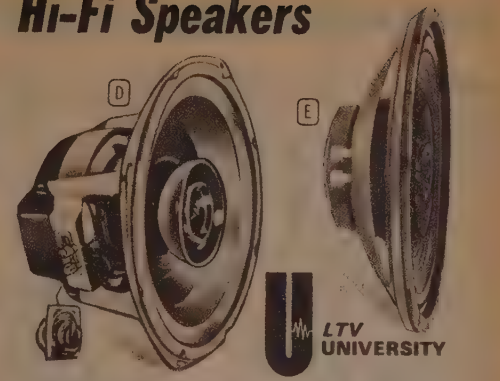
Electro-Voice
Deluxe
3-Way
LT12
C
12TRXB
BIG FAVORITE
WITH HI-FI
AUDIOPHILES
B

Deluxe Full-Range Hi-Fi Speakers

EL 12TRX. E-V's finest 12" 3-way speaker. Features
oofer with 3-lb. magnet and Radax mid-range,
e-dispersion horn tweeter. Response, 25-20,000
onance, 35-45 cps. Crossovers, 2000 and 3500 cps.
16 ohms. $7\frac{1}{2}$" deep. 25 lbs.
MU. *$6 Monthly*........................**108.00**

EL 12TRXB. 12" woofer with $1\frac{3}{8}$-lb. magnet and
x mid-range, plus wide-dispersion horn tweeter.
e, 30-20,000 cps. Crossovers, 2000 and 3500 cps.
16 ohms. 7" deep. 16 lbs.
MX. *$5 Monthly*........................**59.40**

EL LT12. Popular "Wolverine" features 12" woofer
13-oz. ceramic magnet and Radax midrange, horn
35-18,000 cps. Crossovers, 2000 and 4000 cps. 20
ohms. $5\frac{1}{4}$" deep. 9 lbs.
MX. *$5 Monthly*........................**32.40**



University Full-Range Hi-Fi Speakers

D MODEL 312. High compliance speaker featuring 12" woofer, "Diffusicone" midrange and "Sphericon" supertweeter for extra-wide 28-40,000 cps response. 120° dispersion tweeter has reflector baffle to prevent acoustic inter-action. L-C crossover, brilliance control. 35 watts. 8-16 ohms. $6\frac{5}{8}$" deep. $10\frac{1}{4}$ lbs.
71 U 006 MX. *$5 Monthly*........................**64.80**

E MODEL M-12T "MUSTANG." Offers deluxe performance at a bargain price. Employs dual-diaphragm system for low and mid-frequency reproduction. "Sphericon" tweeter extends high range well beyond the limits of human hearing, achieves extra-wide dispersion. 35-40,000 cps response. 30 watts. 8 ohms. $3\frac{7}{8}$" deep. 9 lbs.
71 U 280 MX. *$5 Monthly*........................**29.70**

utah C12PC-3 12" 3-Way

Features asymmetric frame design for free cone movement. 12" woofer with $1\frac{1}{4}$-lb. magnet and VHF tweeter deliver 25-20,000 cps response. Crossover, 5000 cps. Resonance, 50 cps. 25 watts. 8 ohms. $5\frac{11}{16}$" deep. $11\frac{1}{2}$ lbs.
71 U 277 MX. *$5 Monthly*......**29.35**

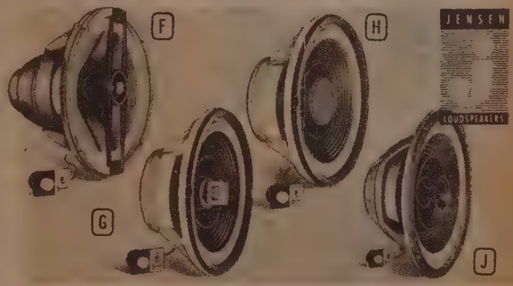
Jensen "Sigma" and "Delta" Series 12" 3-Way Speakers

EL SG-300. 12" woofer with 1-lb. magnet, compres-
midrange and compression tweeter. Response, 20-
s. 40 watts. 8 ohms. $8\frac{3}{8}$" deep. 16 lbs.
MX. *$5 Monthly*........................**85.85**

EL SG-220. 12" woofer with 1-lb. magnet and mid-
radiator, plus wide-dispersion supertweeter. 20-
s. 20 watts. 8 ohms. $5\frac{7}{8}$" deep. $11\frac{1}{4}$ lbs.
MX. *$5 Monthly*........................**45.08**

EL SG-210. 12" woofer with 1-lb. magnet and mid-
radiator, plus curvilinear-radiator tweeter. 20-
s. 20 watts. 8 ohms. $5\frac{7}{8}$" deep. $10\frac{3}{4}$ lbs.
MX. *$5 Monthly*........................**37.24**

EL DL-220. 12" woofer with 1-lb. magnet, mid-range
or and compression tweeter. 25-16,000 cps. 20
ohms. $5\frac{7}{16}$" deep. 12 lbs.
MX. *$5 Monthly*........................**31.32**

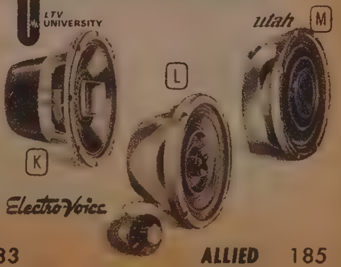


rand-Name 3-Way 8" Hi-Fi Speakers

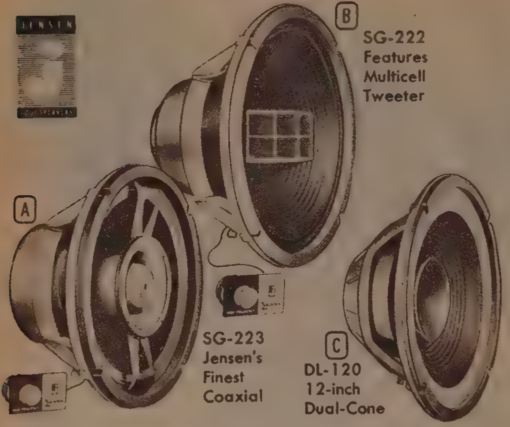
RSITY MODEL 308. 8" woofer
$\frac{1}{4}$-lb. magnet and midrange;
ion tweeter. 5000-cps cross-
-17,000 cps. 35 watts. 8-16
8" deep. 6 lbs.
M. *$5 Monthly*......**36.90**

L ELECTRO-VOICE MODEL LT8. 8" woofer has 10-oz. magnet, midrange; 120° VHF horn. 2000 and 5000 cps crossovers. 40-18,000 cps. 20 watts. 8 ohms. $3\frac{15}{16}$" deep. 7 lbs.
71 U 068 M. *$5 Monthly*......**27.00**

MODEL C8JC-3. Asymmetric frame for free cone excursion. 3-way coax
. 10-oz. magnet. Delivers 32-20,000 cps response. Crossover, 5000 cps.
, 15 watts. 8 ohms. $3\frac{9}{16}$" deep. $5\frac{1}{2}$ lbs.
M..**18.57**



Name-Brand Wide-Range 2-Way 12" Hi-Fi Speake



Jensen Dual-Cone Speakers

A **MODEL SG-223.** Jensen's finest 2-way. Features "Flexair" woofer with 1¾-lb. magnet, horn-loaded reflex tweeter. Crossover at 2000 cps. 20-15,000 cps response. 30 watts. 8 ohms. 6⅜" deep. 15 lbs.
71 U 382 MX. *$5 Monthly*.......................**66.25**

B **MODEL SG-222.** Thru-bore compression-driver tweeter horn terminates in 6-cell cluster for outstanding clarity. "Flexair" woofer has 1¾-lb. magnet. 30-15,000 cps. 25 watts. 8 ohms. 7⅛" deep. 14 lbs.
71 U 383 MX. *$5 Monthly*.......................**59.98**

C **MODEL DL-120.** Low-cost dual-cone incorporating "Flexair" woofer with 1-lb. magnet, plus mid and high frequency radiator. 40-15,000 cps response. 20 watts. 8 ohms. 5⁷⁄₁₆" deep. 9 lbs.
71 U 384 MX........................**19.21**

LTV UNIVERSITY
M-12D Features
Ultra-Thin Design
—Only 3⅝" Deep
D
6201 With
True
Coaxial
Design
E
F
Diffusicone
Low-Cost 2-
Diffaxial Sp

University Coaxial and Diffaxial Speak

D **MODEL 6201.** True coaxial with separate m structure for woofer and compression-type tw 2500-cps crossover and brilliance control. 28-18,500 c watts. 8-16 ohms. 6⅝" deep. 10½ lbs.
71 U 009 MX. *$5 Monthly*.......................5

E **MODEL DIFFUSICONE-12.** Dual horn-loading at ap woofer cone extends midrange and high frequen sponse. Crossover at 1000 cps. 25-15,000 cps. 35 watt 16 ohms. 6⅝" deep. 8¼ lbs.
71 U 007 MX. *$5 Monthly*.......................3

F **M-12D "MUSTANG."** Big sound at low cost. 35- cps. 30 watts. 8 ohms. 3⅝" deep. 6½ lbs.
71 U 279 MX. *$5 Monthly*.......................2

71 U 281 MX. Model M-12. Similar to above, but 35- cps response. 7½ lbs.......................

Electro-Voice

G
J
H
Featuring
"Radax"
Dual-Cone
Construction

E-V "Radax" Coaxial Speakers

G **MODEL SP12.** Specially treated woofer with 3-lb. magnet; Radax high frequency radiator. Crossover, 4000 cps. 25-15,000 cps. 40 watts. 16 ohms. 7½" deep. 21 lbs.
71 U 130 MU. *$5 Monthly*......**58.50**

H **MODEL SP12B.** Treated woofer with 1⅜-lb. magnet; Radax high frequency radiator. Crossover, 4500 cps. 30-15,000 cps response. 30 watts. 16 ohms. 6¾" deep. 14 lbs.
71 U 131 MX. *$5 Monthly*......**33.30**

J **MODEL LS12.** Ultra-thin design. Treated woofer; Radax tweeter. Crossover, 4500 cps. 35-14,000 cps. 20 watts. 8 ohms. Only 3½" deep. Shpg. wt., 7 lbs.
71 U 121 MX..............**18.90**

utah

C12PC-2 Full-Rang 12" Coaxi Speaker

Asymmetric frame for free cone ment. Woofer with 1¼-lb. m whizzer cone. 25-19,000 cps. Cros 3500 cps. 25 watts. 8 ohms. deep. Shpg. wt., 11 lbs.
71 U 439 MX. *$5 Monthly*......2

71 U 436 MX. Model D12LA. (Not 30-16,000 cps. 10-oz. dual-dis magnet. 15 watts. 8 ohms. 5½" 6½ lbs.......................

Premium-Quality 12" Woofers for Smooth, Solid Bass

Jensen Model C12-NF

Features famous "Flexair" design for high efficiency, long travel, ultra linearity and mechanical stability. Delivers 20-2000 cps in "Bass-Superflex" enclosure. Has 1¾-lb. "Syntox-6" ceramic magnet for ultra-smooth response. Resonance, 20 cps. Capacity, 30 watts. 8 ohms. 5¾" deep. 10 lbs.
71 U 385 MX. *$5 Monthly*...**35.08**

University Model C-12HC

High compliance woofer, capable of outstanding ultra-linear performance in matched level systems. Features "Uniferrox-7" 2¾-lb. magnet and dual voice coil for full reproduction of bass response. Frequency response, 20-3000 cps. Capacity, 50 watts. Impedance, 4-20 ohms. 6⅞" deep. Shpg. wt., 13½ lbs.
71 U 027 MX. *$5 Monthly*...**44.82**

ne-Brand Full-Range 2-Way 8" Hi-Fi Speakers

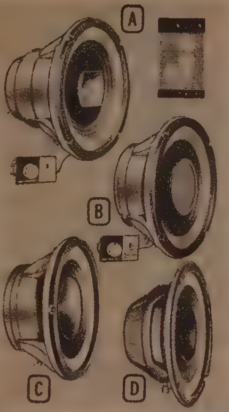
ensen 2-Way Speakers

DEL SG-88 COAXIAL. 1 lb. mag-
35-15,000 cps. 20 watts. 8 ohms.
eep. 7 lbs.
86 MX. *$5 Monthly*...... **36.65**

DEL SG-84 COAXIAL. ⅝-lb. mag-
40-14,000 cps. 12 watts. 8 ohms.
eep. 5 lbs.
87 MX. *$5 Monthly*...... **25.48**

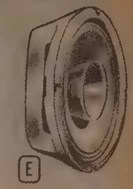
DEL SG-80 DUAL-CONE. ⅝-lb.
gnet. 40-12,000 cps. 12 watts. 8
3⅝" deep. 5 lbs.
88 MX................ **17.05**

DEL DL-80 DUAL-CONE. ⅝-lb. mag-
50-15,000 cps. 20 watts. 8 ohms.
eep. 4 lbs.
89 MX................ **13.13**

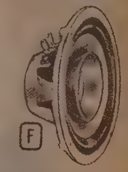


Electro-Voice Low-Cost Speakers

E MODEL MC8. Low-cost, ultra-compact speaker. Woofer has ceramic magnet; Radax mid and high frequency cone. 50-13,000 cps response. 12 watts. 8 ohms. $3\frac{3}{16}$" deep. Shpg. wt., 4 lbs.
71 U 005 M........ **12.60**



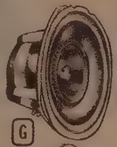
F MODEL LS8. Only 3½" deep—mounts in ceiling, wall and thinline enclosures. Radax mid and high frequency cone. 40-14,000 cps response. Capacity, 25 watts. Impedance, 8 ohms. Shpg. wt., 4 lbs.
71 U 124 MX....... **18.00**

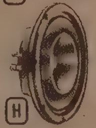


ERSITY. Wide-Range 2-Way Speakers

EL DIFFUSICONE-8. Dual horn-load-
t apex of woofer for extended mid
h frequency response. Wide angle
on. 30-15,000 cps. 35 watts. 8-16
$\frac{15}{16}$" deep. 5 lbs.
0 M. *$5 Monthly*.......... **24.30**

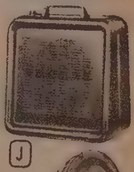
EL M-8D. Woofer, with curvilinear
hragm, has controlled response to
os. 2" voice coil. 70-12,000 cps
e. 30 watts. 8 ohms. Only 2½"
bs.
7 M..................... **18.00**
2 M. Model M-8. Above, but 70-
ps response. 5 lbs........... **15.30**



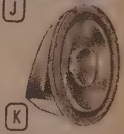


utah Patio and Coaxial Speakers

J MODEL HFOD-8 PATIO SPEAKER. 8" 2-way in weatherproof cabinet. 35-18,000 cps. Volume control, 25' cable. Green. 10⅞x10⅞x5⅜". 15 watts. 8 ohms. 7½ lbs.
71 U 415 MX.............. **14.65**



K MODEL C8JC-2. Asymmetric frame for free cone movement. 10-oz. magnet. 35-19,000 cps. 15 watts. 8 ohms. $3\frac{9}{16}$" deep. 4¾ lbs.
71 U 438 M............... **13.67**
71 U 437 M. Model D8LA. (Not illus.) 40-16,000 cps. 15 watts. 8 ohms. 4" deep. 4 lbs.................. **10.73**



Improve Your Speaker System with These Accessories

6 TWEETER. 2500 cps to beyond
bility. For 3-way systems, use
r (below), 50 watts. 8 ohms. 6x
". 3½ lbs.
M. *$5 Monthly*...... **30.42**

W SUPERTWEETER. 3000-40,000
Crossover, brilliance control.
s. 8 ohms. Walnut case, 6¾x
". 3 lbs.
0 M. *$5 Monthly*...... **22.32**
1 M. T-202 Tweeter. Above, less
8x4". 2½ lbs........... **22.32**

H-PASS FILTER. (Not illus.) 4-16
⅝x3¼x3". 2 lbs.
3 M.................. **12.42**

ROSSOVER NETWORK. (Not
16 ohms. 3⅝x3¼x3". 2½ lbs.
4 M.................. **16.92**

VEL CONTROL. (Not illus.) For
n systems. 7 oz.
5 M.................. **3.42**

UPERTWEETER. 3000-40,000 cps.
sover, brilliance control. 30
3 ohms. Size $3\frac{1}{8}$x$3\frac{1}{16}$" deep.
t., 1 lb.
3 M.......... **14.40**

03B TWEETER. Compression-
for 2000 or 4000 cps cross-
To 15,000 cps. 30 watts. 16
x7¼x$6\frac{5}{16}$". 3 lbs.
0 M.................. **15.64**

R E-10 ULTRA-TWEETER. Dome radiator. 4000 cps to beyond audibility. 30 watts, 16 ohms. 4¼x2".
71 U 391 M. 1¼ lbs.......... **19.56**

S RP-302A SUPERTWEETER. Horn-type. 3000-beyond audibility. 40 watts. 16 ohms. 2¾x3¾".
71 U 392 M. 2½ lbs.......... **31.32**

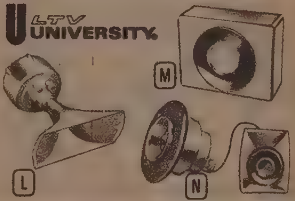
ST-946 BALANCE CONTROL. (Not illus.) For tweeter in 2-way systems to 30 watts. 16 ohms. ½ lb.
71 U 393 M.................. **3.29**

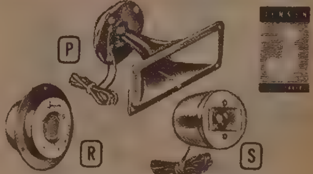
A-204 CROSSOVER. (Not illus.) 2000-cps. 40 watts. 16 ohms. 2½ lbs.
71 U 394 M.................. **12.54**
71 U 395 M. A-402. Above, but 4000-cps. 40 watts. 16 ohms. 3 lbs.... **11.76**

T HF-1 TWEETER PKG. Wide-angle tweeter; 3500-cps crossover; control; wiring. 3500-beyond audibility. 25 watts. 8 ohms. 3 lbs.
71 U 128 M. *$5 Monthly*..... **23.85**

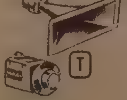
W BB-1 DELUXE TWEETER PKG. T35 tweeter, X36 crossover, AT37 control. 16 ohms. 6 lbs.
71 U 113 M. *$5 Monthly*...... **39.60**
71 U 142 M. T35 Tweeter. 3500-20,000 cps. 30 watts. 16 ohms. 3½ lbs. **27.00**
71 U 168 M. X36 Crossover. 3500 cps. $3\frac{7}{16}$x$4\frac{7}{16}$x3⅝". 3 lbs........... **10.80**
71 U 146 M. AT37 Level Control. "L" pad. Brown. 16 ohms. 6 oz....... **4.05**

LTV UNIVERSITY

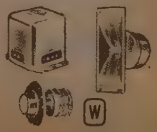




Electro-Voice

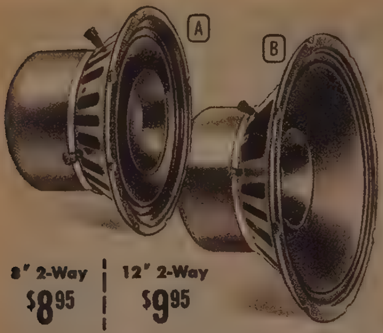


Tweeter Packages



L LINCOLN

Feature-Value Hi-Fi Speakers



12 and 8" Hi-Fi Speakers at Bargain Prices

A **L-103 8" 2-WAY HI-FI SPEAKER.** Features specially treated woofe that delivers rich, extended bass, and whizzer cone for crysta reproduction of midrange and high frequencies. Powerful, dual-dia 1-lb., 5½-oz. equivalent Alnico V magnet, 1½" voice coil. Respons 14,000 cps. Binding post terminals. Capacity, 20 watts. Impeda ohms. 5" deep. Made in U.S.A. 5 lbs.
71 U 441 M . . . .

B **L-102 12" 2-WAY HI-FI SPEAKER.** For budget stereo systems, placement use in TV sets, phonos and console radios. Treated cone provides extended bass response to 30 cps. Whizzer cone h midrange and highs to 14,000 cps. Powerful 1-lb., 5½-oz. equi Alnico V dual-diameter magnet. Binding post terminals. 20 wa ohms. 6$\frac{5}{32}$" deep. Made in U.S.A. 6¼ lbs.
71 U 440 MX . . . .

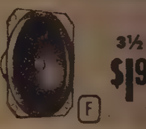
LINCOLN Super-Value Speaker Components

C
15" Hi-Fi
Woofer
$15.95

D
12" Hi-Fi
Woofer
$12.95

E
8" Hi-Fi
Woofer
$5.95

Low-Cost Twe



C **L-109 15" WOOFER.** 25 to 4500 cps. 20 oz. dual-diameter equivalent Alnico V magnet, 1½" voice coil. Binding posts, 30 watts. 8 ohms. Made in U.S.A. 9 lbs.
71 U 445 MX **15.95**

D **L-112 12" WOOFER.** 30 to 4000 cps. 20 oz. dual-diameter equivalent Alnico V. magnet, 1½" voice coil. Binding posts. 25 watts. 8 ohms. Made in U.S.A. 7½ lbs.
71 U 444 MX **12.95**

E **L-105 8" WOOFER.** Wide-range 40-6000 cps res Shallow 3$\frac{1}{16}$" depth for thinline enclosures. 20 w ohms. Made in U.S.A. 3 lbs.
71 U 443 M . . . .

F **L-104 3½" TWEETER.** Use with any low-cost w 3500-16,000 cps. 1-oz. Alnico V magnet. 5000 cps over. 15 watts. 8 ohms. Made in U.S.A. 8 oz.
71 U 442 M . . . .

Famous-Name Speaker Accessories

LTV
UNIVERSITY
G
H
J
JENSEN
K
N
L
M
Electro-Voice
R
P

G **C-8M 8" MIDRANGE SPEAKER.** 500-5000 cps. 50 watts. 3½ lbs.
71 U 048 M **15.12**

H **H-600 MIDRANGE/HF HORN.** Midrange down to 600 cps. 7¾x8¾x 4¾". 2 lbs.
71 U 050 M **16.92**

COBREFLEX TWIN-FLARE HORN. (Not illus.) Midrange down to 350 cps. 1⅜"-18 throat. 10¼x18½x9¼". 13 lbs.
57 U 566 MX. *$5 Monthly* **24.03**

J **T-30 MIDRANGE/HF DRIVER.** For H-600 or Cobreflex horns. 350-15,000 cps. 50 watts. 8 ohms. 1⅜"-18 throat. 3½x3¾". 2¾ lbs.
71 U 049 M. *$5 Monthly* **27.72**

K **P8-RM 8" MIDRANGE SPEAKER.** Direct-radiator. 200-4000 cps. 40 watts. 16 ohms. 5" deep. 4 lbs.
71 U 377 M **11.37**

L **P8-UM 8" MIDRANGE SPEAKER.** Direct-radiator. 600-4000 cps. 30 watts. 16 ohms. 4½" deep. 3 lbs.
71 U 378 M **7.06**

M **P35-VAH TWEETER.** Direct-radiator. 2000-14,000 cps. 15 watts. 16 ohms. 3½x2⅛". ¾ lbs.
71 U 396 M **4.66**

A-640 CROSSOVER NETWORK. illus.) For 3-way systems to 40 600 and 4000 cps. 16 ohms.
71 U 380 M. *$5 Monthly* . . . .

ST-947 BALANCE CONTROL. (Not For multi-way systems to 40 wa ohms. ½ lb.
71 U 381 M..

N **KT-33 SPEAKER COMPONENT** Includes: C12-NF 12" woofe UM midrange speaker; RP tweeter; A-645 2-channel cros ST-946 balance control. 20-15,0 30 watts. 16 ohms. 19½ lbs.
71 U 379 MX. *$5 Monthly*.

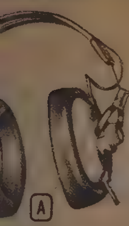
P **MF-1 MIDRANGE SPEAKER PKG** 10 treble driver; CR-10 cros control; wiring. 1000-15,000 c watts. 8 ohms. 5 lbs.
71 U 129 MX. *$5 Monthly* . . . . .

R **TC-35 TWEETER.** 1500-20,000 watts. 8 ohms. 4⅞" diame 2$\frac{11}{16}$" deep. 3½ lbs.
71 U 116 M. *$5 Monthly* . . . . .

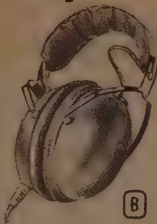
BB-4 PKG. (Not illus.) T25A 8HD diffraction horn; X8 cros AT37 control; wiring. 30 wat ohms. 15¾ lbs.
71 U 114 MX. *$5 Monthly* . . . . .

See Pages 174-183 For Name-Brand Speaker Sy

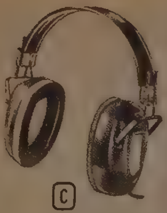
tereo Headphones for Finest Music Listening



TELEX



SHARPE



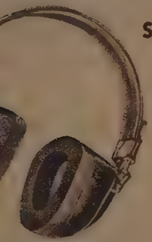
FISHER

ST-20 "STEREO-TWIN" HEADPHONES. Add new dimen-
l perspective to your stereo listening for even greater
Integral Channel Control, a built-in volume control on
piece adjusts balance and loudness. So light (only 12 oz.),
wear it for hours without fatigue. Easily cleaned foam
. **Response:** 16-15,000 cps. **Impedance:** 3-16 ohms. With 8′
circuit plug. 1 lb.
5 M. *$5 Monthly*..**29.15**
6 M. ST-10. Above, less volume controls. 1 lb..........**24.95**

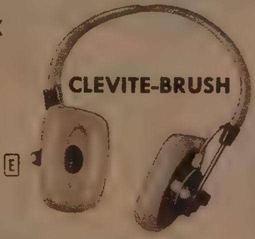
PE HA-10 STEREO HEADPHONES. Surround you with "liv-
ound" for the ultimate in exhilarating stereo listening.
rcup is a small dynamic transducer in an acoustic chamber
nally broad, flat response across the entire audio spectrum.
uid-filled cushions: adjustable padded headband. **Response:**
0 cps. **Imp.:** 10 ohms. With cord, plug. 2 lbs.
7 M. *$5 Monthly*..**43.50**
0 M. Low-Cost CM-4. (Not illus.) Flex-vinyl cushions. **Re-**
20-14,000 cps. **Impedance:** 8 ohms. 1½ lbs..............**14.50**

R HP-50 STEREO HEADPHONES. Bring you full-dimensional,
htaking stereo music—with amazing realism. Large
s with soft polyfoam cushions seal music in, keep outside
ut. Let you enjoy music for hours and hours on end with-
fatigue. Vinyl-covered spring-steel headband easily
for the maximum comfort of each individual. Headband
hions easily washed when soiled. Weighs only 12 oz.
y response: 30-17,000 cps. **Impedance:** 12 ohms. With
plug. Shpg. wt., 2 lbs.
1 M. *$5 Monthly*..**25.46**

SUPEREX



CLEVITE-BRUSH



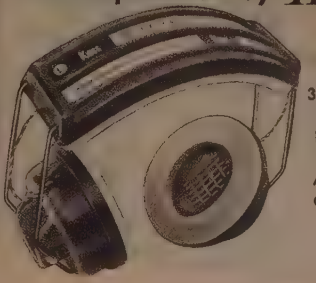
REX ST-M STEREO HEADPHONES. True 2-way design for
ingly lifelike stereo music—each earcup has ceramic
and dynamic tweeter elements, plus built-in crossover.
ntrol for each channel lets you adjust treble to suit your
omfortable foam cushions seal out noise. Adjustable head-
esponse: 20-20,000 cps. **Impedance:** 8-16 ohms. With cord,
plug, mono adapter. 1¾ lbs.
0 M. *$5 Monthly*..**29.35**

8 M. STM-2H. Above, but high-impedance type. Matches
15,000 ohms. 1¾ lbs. *$5 Monthly*..........................**40.00**

1 M. SC-2 Control Box. For 1 or 2 low impedance phones.
ance and volume controls, on-off switch, screw terminals
kers, 2 phone jacks. ½ lb...................................**6.81**

TE-BRUSH 325-S STEREO HEADPHONES. Surround you with
ificent stereo music. Comfortable foam cushions, re-
for cleaning. Individually adjustable earpieces. **Response:**
0 cps. **Impedance:** 16 ohms. With 8′ cord, 3-circuit plug.
color. 1½ lbs.
4 M. *$5 Monthly*..**29.95**

"Stereophones" by KOSS



Sensitive
3½" Dynamic
Elements in
Earcups for
Rich Bass
And Crystal
Clear Highs

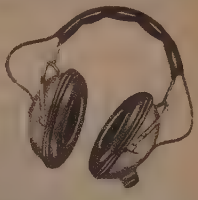
SP-3X "Stereophones"

You enjoy imagination-capturing stereo music without disturbing—or being disturbed by—others. Sensitive 3½" dynamic element in each earpiece provides extended-range response for rich, profound bass and clean, transparent treble. Superb channel separation imparts an exciting "you-are-there" feeling to every musical passage. Soft foam cushions cover your ears to block out all external noise. So light and comfortable that you can listen for hours without tiring. Rugged Implex plastic headband and case resist cracking and scratching. **Response:** 20-16,000 cps. **Impedance:** 4-16 ohms. With 8′ cord, 3-circuit plug. 2 lbs
71 U 018 M. *$5 Monthly*..................**24.45**

71 U 030 M. Model SP-5SM. Similar to above, but with lavalier-type stereo/mono switch. **Response:** 20-15,000 cps. **Impedance:** 4-8 ohms. Shpg. wt., 2½ lbs. *$5 Monthly*..........**24.45**

Deluxe "Pro" Series Headphones

Fluid-Filled Cushions
Seal Out All Noise



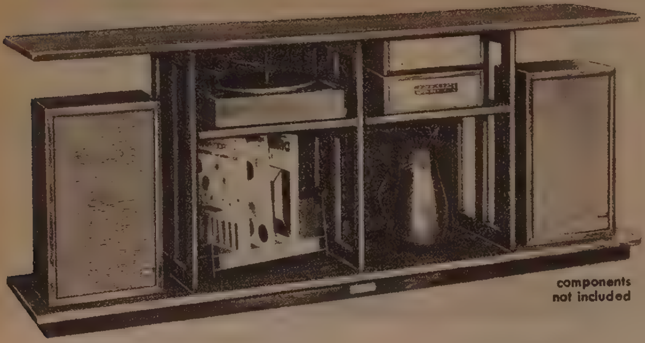
MODEL PRO-4. The instant you slip them on, these deluxe headphones transport you into a whole new world of thrilling listening experiences. Dynamic transducer within each earpiece produces lifelike music from the deepest bass of the majestic pipe organ to the subtle high frequencies at the limit of human hearing. Soft, fluid-filled ear cushions are so comfortable that you can listen to music for hours without tiring. Seal the fullness of stereo sound in, block all external noises out. Adjustable headband for maximum personal comfort. Rugged, shatterproof construction. **Frequency Response:** 30-20,000 cps. **Impedance:** 4-16 ohms. With 8′ cord, 3-circuit plug. 2 lbs.
71 U 020 M. *$5 Monthly*..................**44.10**
71 U 043 M. PRO-600. Above, but 600 ohms. Shpg. wt., 2 lbs. *$5 Monthly*..........**49.00**

71 U 031 M. T-5 Control Box. For connecting 1 or 2 stereo phones to amplifier. Volume control, speaker on-off switch, 2 stereo or mono phone jacks. Impedance, 4-16 ohms. 5⅞x3⅛x2⅞". Shpg. wt., 1 lb....................**8.95**

71 U 032 M. T-1 Hookup Box. Transformers for matching SP-3X or SP-5SM to 600-10,000 ohms. 6¼x3¾x2". Shpg. wt., 8 oz........**7.79**

ereo Headphones on Allied's Credit Fund Plan

Attractive Furniture for Your Hi-Fi Equipmen



Kliewer "Classic" Component Console Cabinets

"Classic I"

$\$104^{95}$

$6 monthly

Elegant Component Consoles

"CLASSIC I." Divider-type cabinet integrates all your hi-fi components into a single, highly functional music center. Hand-crafted of high-quality woods, tastefully finished in hand-rubbed oiled walnut to add a distinctive decorator design to your music system. Overall size, 29x72x16″. Outer compartments for speaker systems are 25½″ tall, 16½″ wide. Inner compartments for amplifier and tuner (or receiver), tape deck and phono are 18⅜″ wide; each has adjustable shelf. Shipped from factory in Idaho. Allow 3 weeks for shipment. No C.O.D. orders. Freight charges collect. 90 lbs.
97 U 149 MZF. *$6 Monthly*.................. **104.95**

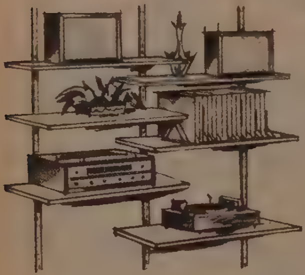
"Classic II"

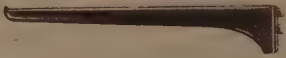
$\$84^{50}$

$5 monthly

"CLASSIC II." Similar to "Classic I," above; but without center divider between inner components compartments. Overall size, 29x68½x16″; inner compartment is 35″ wide, has adjustable shelf. Factory shipped from Idaho; allow 3 weeks. No C.O.D. Freight collect. 85 lbs.
97 U 150 MZF. *$5 Monthly*..................... **84.50**

Walnut Shelves and Lustra "600" Hardware





You Be the Decorator!

With a screwdriver and your imagination you dramatically highlight your music system in contemporary fashion. Shelving is luxurious oiled walnut. Brackets and supports are anodized aluminum with gleaming, brushed finish that never rusts, corrodes or tarnishes. Natural Silver, Gold-Bronze or Walnut finish (see table below). With mtg. screws.

Mounting Strips (Upright for Walls)

Length	Wt., Oz.	Natural Silver Stock Number	PER PAIR	Brushed Gold-Bronze Stock Number	PER PAIR	Walnut Stock Number	PER PAIR
2 Feet	10	97 U 178 MX	.99	97 U 181 MX	1.20	97 U 184 MX	1.20
3 Feet	13	97 U 179 MX	1.49	97 U 182 MX	1.80	97 U 185 MX	1.80
4 Feet	16	97 U 180 MX	1.99	97 U 183 MX	2.39	97 U 186 MX	2.39

Support Arms (Shelf Brackets)

*Heavy-duty brackets for wide shelves holding heavy loads.

8 inches	4	97 U 187 MX	.85	97 U 190 MX	1.06	97 U 193 MX	1.06
12 inches	5	97 U 188 MX	1.04	97 U 191 MX	1.19	97 U 194 MX	1.19
16 inches	8	97 U 189 MX	1.32	97 U 192 MX	1.44	97 U 195 MX	1.44
16 inches*	16	97 U 196 MX	2.52	97 U 197 MX	2.52	97 U 198 MX	2.52

Handsome Oiled Walnut Shelves

Width	Depth	Wt. in Lbs.	Stock No.	EACH
36 inches	8 inches	8	97 U 303 MU	4.95
36 inches	12 inches	12	97 U 304 MU	7.95
36 inches	16 inches	15	97 U 305 MU	9.95

Large Multi-Purpose Cab

$\$19^{95}$

$5 monthly

Versatile Model 955 Cabi

Contemporary low-boy cabinet o
maximum storage space and utili
its low price. Full 40″ length
up to 400 records. Also serves
TV or phonograph table. Deep eno
accept hi-fi components. Overall si
40x17″. With stylish tapered leg
brass finished hardware on doors.
of mahogany or walnut—*specify*
Shipped knocked down—assemb
a few minutes. Shpg. wt., 27¼ lbs. S
express.
97 U 101 CMU. *$5 Monthly*......

Univer

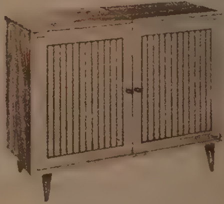
Model

$\$11$5

Stores U
200 Rec

Smartly designed cabinet with
door access. Holds up to 200 LP r
Excellent consolette stand for p
TV or phono. 22x17x21″. With t
legs, hwde. Mahogany or walnut f
specify. Shipped knocked down—
bles easily. Shpg. wt., 14½ lbs.
97 U 103 CMX....................

Harris Pine Mills Cabin



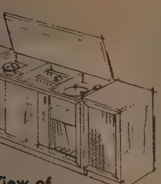
$\$22$

$5 mo

New Model 9148 Equipment C

High-quality Ponderosa pine cabi
signed with a contemporary ac
simplicity. Expertly sanded and p
for your choice of finish or pai
save because you finish it yourself.
enough to house your amplifier an
(or receiver), phono and record
Compartments A and B, each 9
15⅞″; C, 13⅜x34½x15⅞″; Over
36x18″, including 6″ legs. Shpg.
lbs. Shipped express.
97 U 143 MZ. *$5 Monthly*......

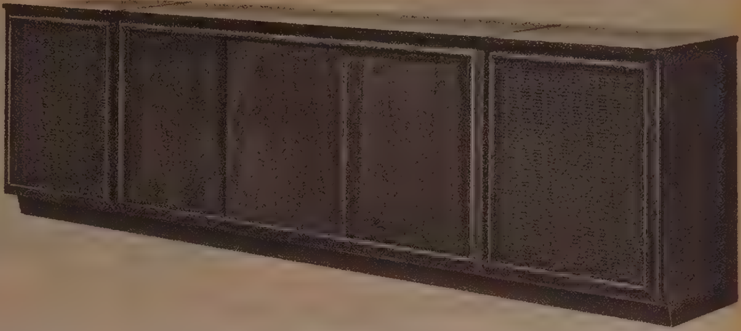
ontemporary Hi-Fi Cabinetry by BARZILAY



iew of
led Design One/B

emble
Kit
rm

$267.50
$14 monthly



Famous for its California-inspired design and exacting acoustical engineering, Barzilay cabinetry features only the choice American Black Walnut woods. Available in money-saving, ready-to-finish kit form, or assembled and finished in luxurious, hand-rubbed oiled walnut. You need only a screwdriver to assemble kits. Kits include materials for rich oiled walnut finish, plus illustrated instructions. All sections are pre-fit and pre-drilled.

New "Design One"/B Deluxe 3-Piece Stereo Ensemble Kit

nent cabinet offers full-length lift-top access, plus
nounting provision. Almost 5 ft. storage space in
. Sizes: top center, 18⅜" w., 15½" d.; top left and
ht, 18¾" w., 15½" d.; lower left and right, 18¾" w.,
center, 18⅜" w., 23" h.; overall, 28¾x58½x18½".
e ducted port enclosures take 12" or 15" speakers.
8¾x22x18½". All tops cut from same piece. Over-
¼x102½x18½". 255 lbs. Express or truck from Calif.
3 weeks. No C.O.D.
51 MZF. Design One/B Ensemble, Kit Form...**267.50**

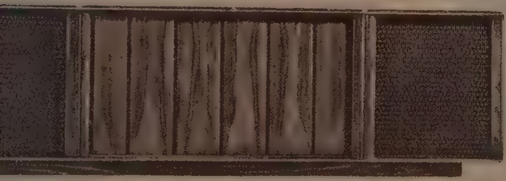
97 U 152 MZF. Model 100E/B Ensemble. Design One/B assembled and finished in oiled walnut..............**384.95**

97 U 153 MZF. K61/B Equipment Cabinet Kit. 147 lbs. **157.55**

97 U 155 MZF. Model 161/B Equipment Cabinet. Above, but assembled and finished in oiled walnut...........**230.50**

97 U 154 MZF. K62/B Speaker Enclosure Kits. Available in pairs only. 103 lbs......................**Per Pair 109.95**

97 U 156 MZF. Model 162/B Speaker Enclosures. Above assembled, oiled walnut finish. Pairs only..**Per Pair 154.45**

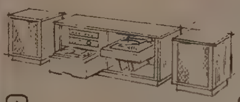


Design 5" 3-Piece Stereo Ensemble Kit

mbled tambour doors on equipment cabinet provide
o turntable drawer (20" w., 15" d.) and amplifier/
ection (20" w., 24½" h.). 3-way panel for front com-
mtg. Storage area under phono drawer. Tunable
port enclosures (each, 29x24x18") accept 12" or 15"
s. Same piece tops. 29x96x18". 270 lbs. Express
from Calif. Allow 3 weeks. No C.O.D.
5 MZF. "Design 5" Ensemble, Kit Form.....**249.90**
6 MZF. Above, Assembled—Oiled Walnut....**329.50**
7 MZF. K71 Equip. Cabinet Kit. 120 lbs.........**144.95**
0 MZF. Above, Assembled—Oiled Walnut....**179.55**
8 MZF. K72 Speaker Enclosure Kits. Available in
ly. 140 lbs.............................**Per Pair 104.95**
9 MZF. Above, Assembled—Oiled Walnut. Available
only. 130 lbs..........................**Per Pair 149.95**

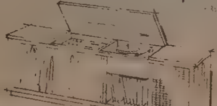
IGN TWO" STEREO CONSOLE KIT. Lift-top access,
-mtg. provision. Sliding doors; large record-storage
op sections, each, 18¼x23" h. Reflex enclosures
2" or 15" speakers. 28¾x81x18½". 220 lbs. Express
from Calif. Allow 3 weeks. No C.O.D.
2 MZF. "Design 2," Kit Form.................**184.50**
1 MZF. Above Assembled—Oiled Walnut....**299.50**

K-89 RECORD STORAGE CABINET KIT. Use for record
ry, component cabinet or speaker systems. Mounts
(2 stack as ensemble) or on wall. Tambour doors;
ns left and right, 20" wide, center, 23"; each 12¾"
all, 17½x72x18". 105 lbs. Express or truck from
llow 3 weeks. No C.O.D.
7 MZF. K-89, Kit Form.........................**119.50**
8 MZF. 889K Assembled—Oiled Walnut.....**164.50**

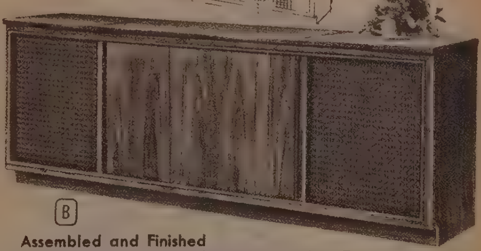


A

Open View of Assembled Model of "Design Five" (Model 700E)

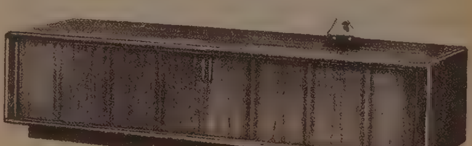


Open View of Assembled "Design Two" (Model C-150)



B

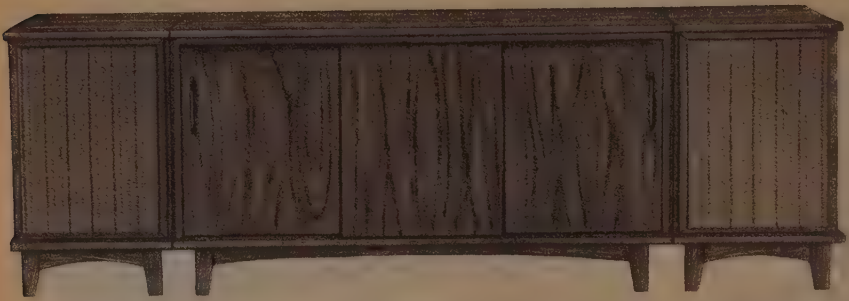
Assembled and Finished Model of "Design Two" (Model C-150)



C

Assembled and Finished Record Cabinet (Model 889K)

New Gamber-Johnson Hi-Fi Cabinetr

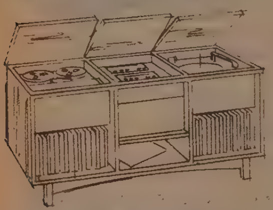


Complete 3-Piece Custom Ensemble

$249.50

$13 monthly

Distinctive 3-Piece Lift-Top Contemporary Ensemble



3 spacious lift-top sections to house your hi-fi: tuner/amplifier, phono, and tape-recorder/deck

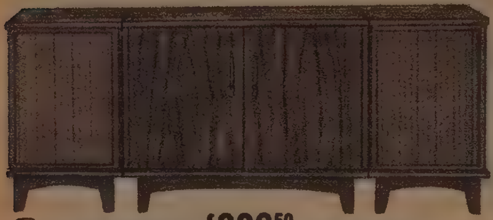
- "Wall-to-Wall" Custom Hi-Fi Furniture
- Finely Crafted and Finished by Experts
- Oiled Walnut Veneer Inside and Ou
- ¾" Plywood and Particle-Board Cor

Center section is accessible from top and front, permits vertical or horizontal mounting of amplifier/tuner. Has 2 blank panels and 2 adjustable-height, removable, vented shelves. Inside, 14¾x17⅝x14"d; 2" knob clearance at front, 3" at top. Upper-right phono section and upper-left tape-recorder/deck section accessible from top. Mounting boards adjust up and down. Inside, 9x17⅝x14¾"d. Left and right lower sections store over 200 LP's. Center lower section, 4x17⅝x16¼ Overall, 28½x57x18⅛"d. Tunable Adj a-Port bass-reflex enclosures; each (28 18½x18⅛"d.) takes 12" or 15" spea plus tweeter. 215 lbs.

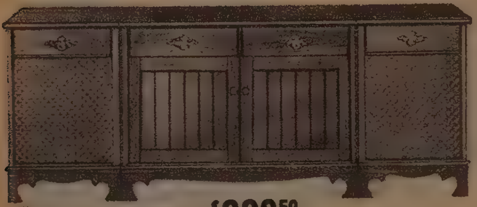
97 U 165 MZF. *$13 Monthly* . . **249**

GJ-834 EQUIPMENT CABINET ALONE.
97 U 163 MZF. 135 lbs. *$8 Mo* **14**

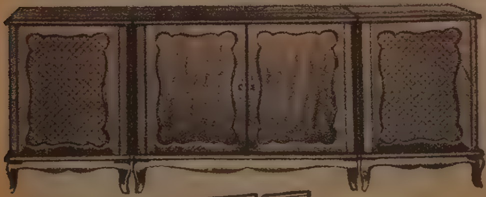
GJ-832 SPEAKER ENCLOSURE ALONE.
97 U 164 MZF. 40 lbs. *$5 Mo* . . . **Ea. 4**



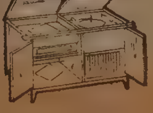
A **Contemporary** **$209.50** **$11 Monthly**



B **Early American** **$226.50** **$12 Monthly**



C **French Provincial**
$274.95
$14 Monthly



Open View of the 3 Equipment Cabinets Above

3-Piece Ensembles in Popular Styles

Choose from three stunning styles. Expertly constr ed and finished to meet exacting standards of mater and workmanship. Genuine hardwood veneers over plywood inside and out. Acoustically superior parti board cores. Solid hardwood trim. Enduring lines striking finishes to enhance your decor.

EQUIPMENT CABINETS. Upper-left section houses am fier/tuner vertically or horizontally, plus tape reco or deck. Accessible from lift-top and front. Has 2 justable-height, removable, vented shelves; plu blank panels. Inside dimensions, 14¾x17⅝x14 2" knob clearance at front and at top. Upper-right ph section accessible from lift top. Motorboard clear adjusts up and down. Inside dimensions, 9x17⅝x1 d. Lower-left storage section, 4x17⅝x16¼". Lo right, storage for 100 LP's. Overall, 28½x38½x18

SPEAKER ENCLOSURES. Adjust-a-Port enables you tune bass-reflex enclosures to match speakers. T 12" or 15" speakers, plus tweeter. 28½x18½x18

A **CONTEMPORARY 3-PIECE ENSEMBLE.** 174 lbs.
97 U 167 MZF. Oiled Walnut. *$11 Monthly* . . **20**

MODEL GJ-831 EQUIPMENT CABINET ALONE. 94 lbs.
97 U 166 MZF. *$6 Monthly* **10**

MODEL GJ-832 SPEAKER ENCLOSURE ALONE. 40 lbs
97 U 164 MZF. *$5 Monthly* . . . . **Each 4**

B **EARLY AMERICAN 3-PIECE ENSEMBLE.** Finishe Harvest Maple. 186 lbs.
97 U 170 MZF. *$12 Monthly* **22**

MODEL GJ-821 EQUIPMENT CABINET ALONE. 98 lbs
97 U 168 MZF. *$6 Monthly* **11**

MODEL GJ-822 SPEAKER ENCLOSURE ALONE. 44 lbs.
97 U 169 MZF. *$5 Monthly* . . . . **Each 5**

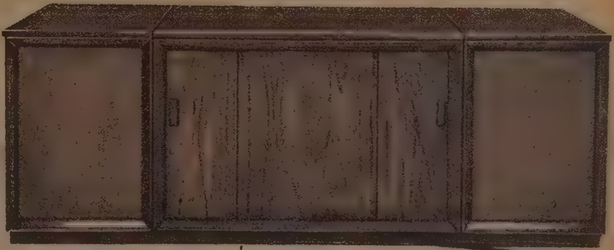
C **FRENCH PROVINCIAL 3-PIECE ENSEMBLE.** Finishe Normandy Cherry. 186 lbs.
97 U 173 MZF. *$14 Monthly* **27**

MODEL GJ-841 EQUIPMENT CABINET ALONE. 98 lbs.
97 U 171 MZF. *$7 Monthly* **13**

MODEL GJ-842 SPEAKER ENCLOSURE ALONE. 44 lbs
97 U 172 MZF. *$5 Monthly* . . . . **Each 6**

SHIPPING NOTE: All above items express or from Stevens Point, Wis. No

se Your Hi-Fi in Cabinetry by ROCKFORD



ontemporary 3-Pc. Ensemble

furniture! Even the kits are prefin- oiled walnut, all you need is a screw- Left-front section for horizontal g of amplifier/tuner. Upper-left sec- tape deck or vertical mounting of /tuner, 19⅛x16⅜" d.; adjustable Total left height, 24". Upper-right or phono, 6½x19⅛x16⅜" d. Lower orage for over 100. LP's. Overall, 19⅝" d. Baffled and ported en- (29¼x19½x19⅝" d. each) take up eakers, adjustable panel for tweeter. th 1"-thick acoustic fiberglas.

NSEMBLE KIT. 201 lbs.
MZF. *$12 Monthly* **223.50**

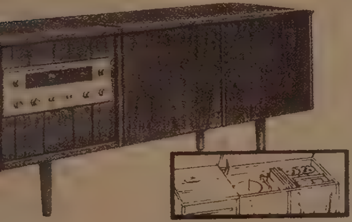
NSEMBLE ASSEMBLED. 201 lbs.
MZF. *$15 Monthly* **299.85**

QUIPMENT CABINET KIT. 95 lbs.
MZF. *$6 Monthly* **118.50**

PMENT CABINET ASSEMBLED.
MZF. 95 lbs. *$8 Monthly* **159.95**

EAKER ENCLOSURE KIT. 53 lbs.
MZF. *$5 Monthly* .... **Each 52.50**

KER ENCLOSURE ASSEMBLED.
MZF. 53 lbs. *$5 Mo.* ..... **Each 69.95**



540 Low-Boy Contemporary Cabinet

-thirds of top lifts to expose phono and tape-deck Amplifier/tuner, 14x18¾x16" d. Phono section, d.; 6½" above board, 7" below. Record section, ⅜" d. Right section for tape deck, 16½x15⅜" d.; ve board, 11" below. Overall, 24⅜ (including x17⁵⁄₁₆" d. Oiled walnut. 87 lbs.
MZF. *$6 Monthly* **114.95**

Piece Ensembles in Popular Styles

hono compartment, 6x17⅛x14⅝" d. Upper left, ½" h; adjustable-height removable shelf; also el for custom mount. Lower right holds 100 LP's. t for storage. Hinged doors, magnetic latches. ¾" verall, 27½x38½x17¼" d. Ported, fiberglas-lined s(27½x17½x17¼" d. each) take up to 12" speakers.

N PROVINCIAL 3-PIECE ENSEMBLE. 158 lbs.
88 CMZF. Fruitwood, oiled walnut—**specify 225.00**

0 EQUIPMENT CABINET ALONE. 76 lbs.
CMZF. Fruitwood, oiled walnut—**specify . 113.50**

H MODERN 3-PIECE ENSEMBLE. Oiled walnut.
82 MZF. 157 lbs. *$13 Monthly* **244.95**

0 EQUIPMENT CABINET ALONE. 80 lbs.
MZF. *$6 Monthly* **119.95**

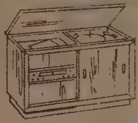
AMERICAN 3-PIECE ENSEMBLE. 157 lbs.
77 MZF. Forest-tone maple.......... **253.00**

0 EQUIPMENT CABINET ALONE. 79 lbs.
MZF. *$7 Monthly* **126.00**

] Deluxe Record Storage Cabinet

01. Sliding doors. Holds 200 LP's. Outside: 22 6" removable legs) x40¾x16½" d. Inside: 13½x " d. Oiled walnut finish. 54 lbs.
MZF. *$5 Monthly* **62.50**

NG NOTE. Rockford cabinetry shipped express or truck



KIT FORM OR FACTORY ASSEMBLED

3-Piece Ensemble	Equipment Cabinet	Speaker Enclosure
$223.50 KIT	$118.50 KIT	$52.50 KIT
$12 monthly	$6 monthly	$5 monthly

Slide-Out Drawer

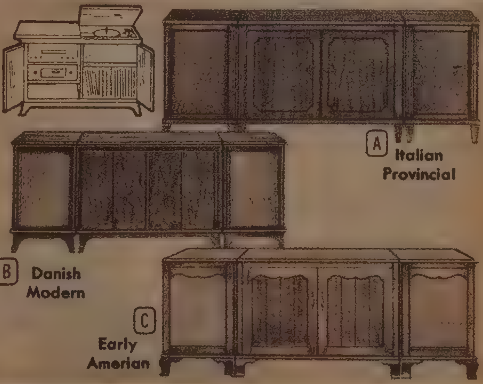
Contemporary 3-Piece Ensemble

Lift-top phono/tape deck section, 6½x19⅜x16½" d. Upper right, 18⅜w x 13⅜" h; adjustable-height removable shelf; blank panel for custom mount. Slide-out lower drawer takes phono/deck. Right section for 150 LP's. Sliding doors. ¾" panels. 32½x40½x20⅛" d. Ported enclosures (32½x20x20⅛" d. each) take up to 15" speakers, tweeter. Fiberglas lined. Mahogany, blonde, oiled walnut—specify.

97 U 079 CMZF. 226 lbs. *$15 Monthly* **285.00**

MODEL 500B EQUIPMENT CABINET ALONE. 118 lbs.
97 U 080 CMZF. Specify Finish. *$8 Monthly* **145.00**

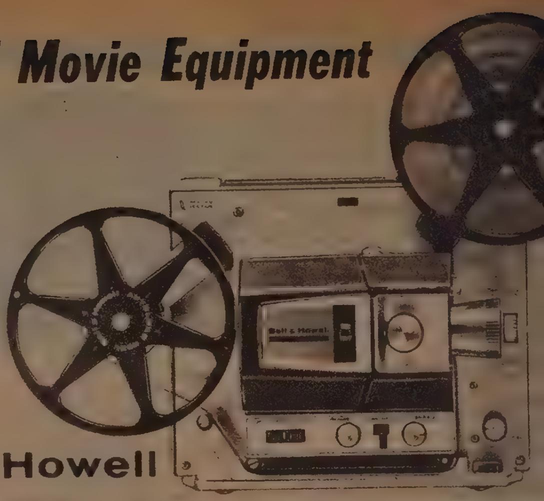
MODEL 501B SPEAKER ENCLOSURE ALONE. 54 lbs.
97 U 081 CMZF. Specify Finish. *$5 Monthly* ..... **Each 70.00**



Contemporary record storage cabinet stands on floor or mounts on wall

All-New "Super 8" Movie Equipment

Shown on
"Action-Grip



Bell & Howell

Model 431 Super 8 All-Electric Movie Camera

$199.95 $10 monthly

- Automatic Behind-the-Lens CdS Electric Eye
- Electric Zoom and Film Drive • Slow Motion
- Continuous 50′ Run • Built-In Battery Tester

New design increases picture area 50% for dramatically sharper, brighter 8mm movies. Cartridge loading, you never touch film. Pushbutton *zooms* f/1.9 lens from 11-35-mm (focuses to 3′). Thru-the-lens viewfinder has indicators for dim light, end-of-film. 18, 36 fps. ASA, 10-400. Built-in Type A filter, footage counter. Remote control provision. Less "action" grip, batteries; below. 2¾ lbs.

24 U 923 S. *$10 Monthly*.................... **199.95**

24 U 924 S. Model 430. Above, but manual zoom; no battery tester, remote provision, or slow motion. 2½ lbs. **149.95**

55 U 870. Batteries. 4 required. 5 oz........ **Pkg. of 2 for 20¢**
24 U 925 S. Carrying Case. ½ lb.................... **12.95**
24 U 926 S. "Sun Gun" with Quartz Iodine Lamp. 1 lb.. **21.95**
24 U 927 S. Action-Grip. 8 oz......................... **15.95**

Autoload® 483 Super 8 Movie Projecto

$169.95 $9 monthly

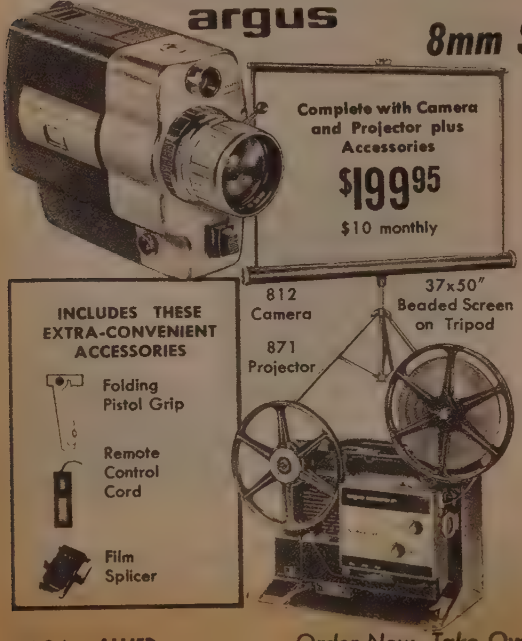
- Puts Twice as much Light on the Screen
- Automatic Threading • Room Lamp
- Forward, Reverse and Still • Slow Mo

Makes the most of the 50% greater picture area of
8 film. New f/1.2 lens and improved optical syster
brightness control, project 8mm pictures with vas
proved clarity. Threading is automatic, just slip fil
slot. Has framing dial, dial focusing, variable speed c
single-frame advance, reverse. 500-watt brightness.
in film cutter. Room lamp plugs into projector;
automatically. 3-position lamp switch. Folding arm
ft. reel capacity. Die-cast construction. Black case,
trim. 400-ft. take-up reel supplied. 22½ lbs.
24 U 929 U. *$9 Monthly*...........................

24 U 930 U. Model 482. Above, with f/1.6 lens. No
ness control, walnut trim or lamp cutoff. 18 lbs....
24 U 931 S. Extra 400-ft.-Capacity Reel. ½ lb.......

argus

8mm Super 8 Movie Outfit



Complete with Camera and Projector plus Accessories

$199.95

$10 monthly

INCLUDES THESE EXTRA-CONVENIENT ACCESSORIES

Outfit uses Super 8 instant loading film cartrid
greater picture area, continuous 50-ft. runs (you
handle spools), and brighter projection. 812 came
tures f/1.8 lens that manually *zooms* from 10mm to
(3:1 ratio). Focuses as close as 5 ft. Size of lens op
controlled automatically by above-the-lens CdS
eye, or manually if desired. Built-in Type A filter fo
ing outdoors with indoor film. Through-the-len
finder has focusing eyepiece, and indicators
f/stop and filter position. With electric film drive yo
have to wind camera. Built-in battery tester, and
for remote-control cord. ASA: 25-400. Film speed:
Less batteries, below. Camera from Japan.

871 projector with f/1.5 lens features automatic th
23mm focal length lens. Lever control for forward,
and still. Built-in film cutter and room lamp outl
watt brightness. Die-cast aluminum constructic
contained case. Supplied with 400′ capacity reel.

You also get: camera pistol grip that folds for co
carrying, 15-ft. remote-control cord, film splic
beaded 37x50" tripod screen. 20 lbs.
23 U 006 AL2U. Complete Outfit. *$10 Monthly*....
55 U 870. Batteries. 4 required. 5 oz........ **Pkg. of**

KODAK SUPER 8 COLOR 8mm FILM CARTRIDGE.
film runs *continuously*. You never handle or
film. Cartridge snaps in and out of camera wi
chance of exposing film. 6 oz.
24 U 932 S................................... **Each**

eluxe Photo Equipment at Low Allied Prices

Yashica J-5 Single-Lens Reflex

on 35mm camera has Yashinon 55mm f/1.8 th screw-in mount; stops down to f/16, to 21". Automatic diaphragm and instant- mirror. Depth-of field preview. Built-in 2- CdS meter cross-coupled to ASA scale and shutter-speed dial. 10 shutter speeds, /1000 second, B and X. Self-timer. Single- film advance. Accessory shoe. Complete luxe leather carrying case. From Japan. rt., 3½ lbs.

7 S. *$8 Monthly* **147.95**

Popular Yashica Lynx-5000

eter ensures proper exposures on this fine angefinder camera. Simplifies setting cam- proper exposure . . just turn aperture ring novable needle matches fixed indicator. for ASA ratings from 10-800. Yashinon /1.8 lens. Parallax-corrected, coupled range- 11 shutter speeds (1 second to 1/1000). troke film advance. MX flash synchroniza- lf-timer. Complete with leather case. From Shpg. wt., 3 lbs.

5 S. *$5 Monthly* **76.95**

With Case

$147.95

$8 monthly

With Case

$76.95

$5 monthly

89.95

5 monthly

Sawyers "Rotomatic 600" Slide Projector

ws 100 slides, without interruption, with "Rototray." takes TDC 36-slide trays. Remote control lets you focus, nge slides, reverse show. Takes 35mm slides plus all ers in 2x2" mount. Black, chrome. 500-watt lamp. 4" 5 lens. With TDC tray, "Rototray", 10′ remote-control l. 12x13x13". For 110-120 v. 60 cycle AC. 12½ lbs.

J 898 U. *$5 Monthly* **89.95**

J 899 S. Extra 100-Slide "Rototray." 2 lbs. **2.29**

With Case

$89.95

$5 monthly

Automatic Exposure Control Even With Filters on Lens

Minolta 35mm "Hi-Matic 7"

Fully automatic. CdS eye in lens barrel controls shutter. ASA 25-800. Manual override. 45mm f/1.8 lens. Has 8 speeds (¼ to 1/500 second and B). MX flash sync. Self-timer. Parallax corrected range/viewfinder has over/under exposure warning. With case. From Japan 3½ lbs.

24 RU 921 S. *$5 Monthly* **89.95**

co 8mm Color Movie Film

color fidelity and pleasing contrast. e includes processing. For use with vie cameras. 25-ft. spool; 50-ft. reel cessing. Outdoor, ASA 20; indoor, Shpg. wt., 2 oz.

S. Outdoor Type **2.39**

S. Indoor Type **2.39**

nsco 35mm Color Film

d higher-speed type. Price includes g and mounting of slides. Both ight type. 20 exposures per roll. f two ASA speeds. 3 oz.

S. #50. ASA 50 .... **2.99**

S. #200. ASA 200 .... **3.69**

Self-Contained Transistorized Electronic Flashgun

- **Does Away With Flashbulbs**
- **Operates on Batteries or AC**
- **Fits Std. Camera Accessory Shoe**

$19.95

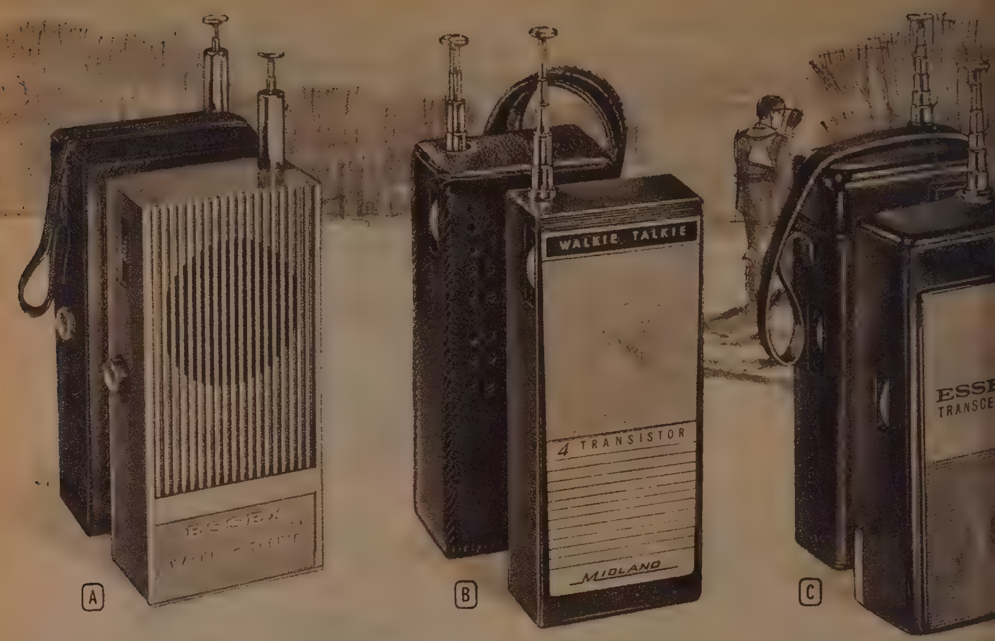
$5 monthly

Ultra-compact electronic flash powered by 4 penlight batteries or 115-VAC. Dependable flash every time. Neon redilite and open flash button. Recycling time: battery, 9-12 seconds; AC, 8 seconds. Guide No. calculator for F stop. 1/1000 sec. flash. 65° reflector coverage. Color temp. 6000° K. With AC cord. PC shutter cord; less batteries. Camera must have "X" sync. From Japan. Shpg. wt., 2 lbs.

24 U 915 S. *$5 Monthly* **19.95**

55 U 870. Batteries. Uses 4. 4 oz. ... **Pkg. 2/20¢**

Low-Cost Walkie-Talkies Anyone Can Use



$8.95 Each When You Buy Two or More

$11.95 Each When You Buy Two or More

$13.95 Each When You Two or

$26.95 Each When You Buy Two or More

$5 monthly

A LOWEST COST WIRED WALKIE-TALKIE. Gives you dependable communications at distances up to ¼ mile. Perfect for camping, hunting, boating, hiking or around-the-home and neighborhood communications. Anyone can use it—no age limit, no license needed. Crystal-controlled 100-mw transmitter, super-regen receiver. Push-to-talk button, 2" speaker/mike, telescoping antenna. 5x2½x1½". With transmit crystal for Channel 14 (transmit crystals for other channels, below), case, strap, battery. From Japan. 1 lb.

90 U 732 S............**Each 9.95**
TWO OR MORE............**Each 8.95**

55 U 999. Extra 9-Volt Batteries. Uses 1. Wt., 5 oz............ **Pkg. of 3 for 79¢**

C LOW PRICED 5-TRANSISTOR WALKIE-TALKIE. Fully transistorized, ready for immediate use. Reliable communications up to ¼ mile. Countless outdoor and indoor applications: camping, hunting, boating, hiking, etc. Crystal-controlled transmitter has 100-mw input—no license needed. Super-regen receiver. 6x1½x2½". With transmit crystal for Channel 16 (if another channel is desired, order from crystal listing below), battery and carrying case. From Japan. 1½ lbs.

90 U 731 S............**Each 14.95**
TWO OR MORE............**Each 13.95**

55 U 999. Extra Batteries. Uses 1. Shpg. wt., 5 oz............**Pkg. of 3 for 79¢**

B BUDGET-PRICED 4-TRANS WALKIE-TALKIE. Great idea f and grown-ups. Loads of fun fo neighborhood games. Useful f whole family both around the and for outdoor activities. transmitter input for up to communications. Crystal-con for Channel 14 (transmit cryst other channels, on facing page). regen receiver. Push-to-talk b 2¼" speaker, mike, telescopi tenna. 6x2½x1¼". With batte case. From Japan. 1 lb.

90 U 743 S............**Each**
TWO OR MORE............**Each**

55 U 999. Extra Batteries. Uses 5 oz..............**Pkg. of 3**

D 9-TRANSISTOR SUPERHET W TALKIE. Superhet circuit for reception, plus crystal-cont transmit *and receive.* 100-mw i no age restrictions, no licen quired. Press-to-talk switch, control, 2¼" speaker/mike, 52 scoping antenna. 7x2⅝x2⅛". crystals for Channel 11 (if othe nel is desired, order crystal from page), case and strap, ea pouch. Less batteries, below. Japan. 2 lbs.

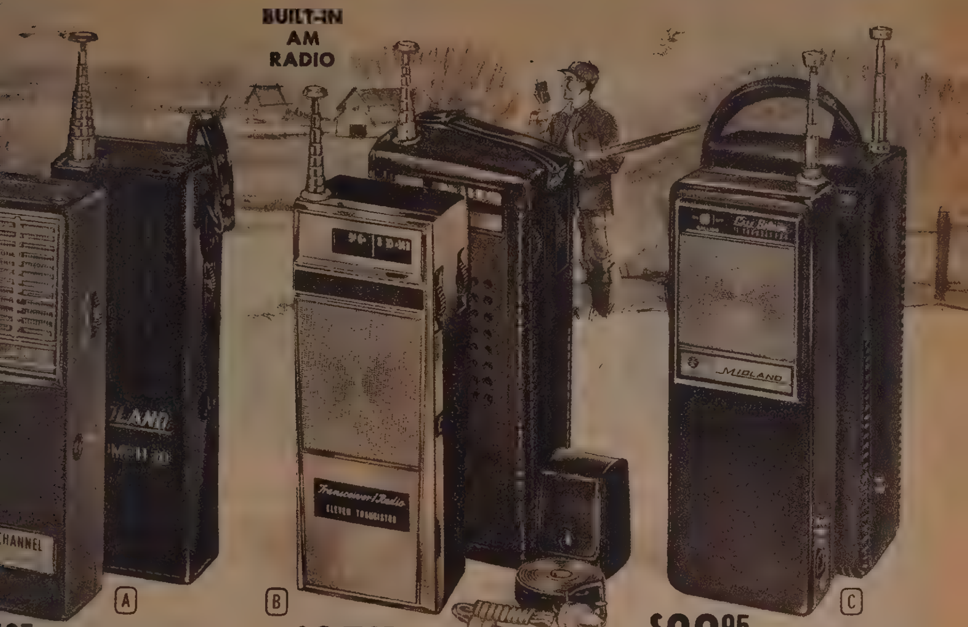
90 U 733 S. *$5 Monthly*..**Each**
TWO OR MORE............**Each**

55 U 870. Batteries. Each unit 5 oz..............**Pkg. of 2**

90 U 353 CS. Extra Transmit Crystal. Channel 1-22—specify........**Each**
90 U 375 CS. Extra Receive Crystal. Channel 1-22—specify. 3 oz....**Each**

Use Your Allied Credit Fund to Buy Your Walkie-Talkies

eluxe Performing All-Purpose Walkie-Talkies



95 Each
nthly

When You Buy Two or More

$35.95 Each
$5 monthly

When You Buy Two or More

$39.95 Each
$5 monthly

When You Buy Two or More

ANNEL 10-TRANSISTOR WALK-LKIE. Crystal-controlled solid-rcuit gives you dependable ications. Superhet receiver with crystal-control and built-limiter. 100-mw transmitter eets FCC regulations—no age ents, no license needed.
n for 2-channel operation for Channel 7 are supplied; channel is desired, order from elow). $7x2\frac{5}{8}x1\frac{1}{2}$". With ear-ase. Less batteries (uses 8), rom Japan. $1\frac{1}{2}$ lbs.

S. *$5 Monthly* . . **Each 33.95**
MORE . . . . Each 31.95

. Batteries. Each unit uses 8.
. . . . **Pkg. of 2 for 20¢**

RANSISTOR WALKIE-TALKIE CALL-SIGNAL. Flick switch e-talkie, tone sounds on an-ilar unit—tells operator that to talk to him. Crystal-con-0-mw transmitter and super-ver provide reliable commu-. No age limit, no license With crystals for Channel 7 er channel is desired, order ng below). 8x3x2". With ear-ase. Less batteries, below. an. Wt., $2\frac{1}{4}$ lbs.

S. *$5 Monthly* . . **Each 42.95**
MORE . . . . Each 39.95

. Batteries. Each unit uses 6.
. . . . **Pkg. of 2 for 20¢**

B 11-TRANSISTOR WALKIE-TALKIE WITH BUILT-IN AM RADIO. Radio tunes standard AM broadcasts to keep you posted on latest news, weather, sports and music. Walkie-talkie provides dependable communications. Sensitive superhet circuit. 100-mw transmitter input requires no license, no age limit. $7\frac{1}{2}x3x1\frac{7}{8}$". With transmit and receive crystals for Channel 7 (if another channel is desired, order from listing below). With earphone, case. Less batteries, below. From Japan, $2\frac{1}{2}$ lbs.

90 U 741 S. *$5 Monthly* **37.95**
TWO OR MORE . . . . Each 35.95

55 U 870. Batteries. Each unit uses 8. 5 oz. . . . . **Pkg. of 2 for 20¢**

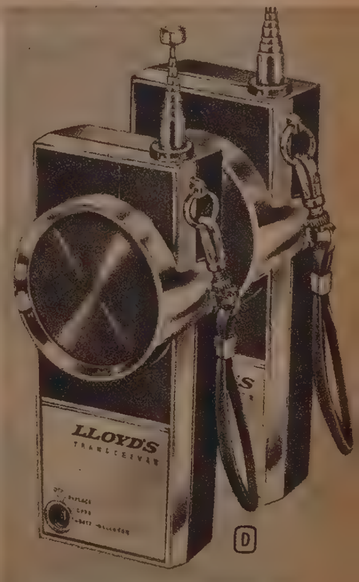
D DELUXE 9-TRANSISTOR WALKIE-TALKIE. Features superhet circuit with RF stage for greater sensitivity. Crystal-controlled 100-mw transmitter. Anyone can use it, no age limit and no operator's license are required. Front-panel battery level indicator.

With transmit and receive crystals for Channel 9 (if another channel is desired, order from preceding page), battery, earphone, case and strap. $6\frac{7}{8}x2\frac{7}{8}x1\frac{1}{2}$". From Japan. 4 lbs.

90 U 729 S. *$5 Monthly* . . **Each 29.95**
TWO OR MORE . . . . Each 27.95

55 U 999. Extra Batteries. Each unit uses 1. 5 oz. . . . . **Pkg. of 3 for 79¢**

9 CS. Extra Transmit Crystal. Channel 1-22—specify. 3 oz. . . . **Each 2.50**
1 CS. Extra Receive Crystal. Channel 1-22—specify. 3 oz. . . . **Each 2.50**



$27.95 Each
$5 monthly

When You Buy Two or More

All-Transistor AM Radios for Good Listening

SOUNDESIGN

8-Transistor Radio Alone
$7.49

4-piece Set
$8.95

10
SOUNDESIGN

10-Transist
Radio Alo
$8.49

4-piece S
$9.95

8-Transistor AM Radio with Walnut Insert

Brilliantly styled pocket portable boasts genuine walnut insert at top; shiny metal trim. AGC reduces fade when radio is moved. Full-tone 2¼″ speaker. Plastic case, 4½x 2¾x1¼″. Less accessories. From Japan. 1 lb.

24 U 019 S. Radio Alone........................**7.49**
55 U 999. Batteries. Wt., 6 oz.............**Pkg. of 3 for 79¢**

4-PIECE SET. Includes 8-transistor radio above, *plus* genuine leather carrying case, earphone for private listening, and 9-volt battery. Shpg. wt., 1¼ lbs.
24 U 022 S. Complete 4-Piece Set..................**8.95**

10-Transistor AM Radio with Walnut Pa

Stylish radio pulls in more stations. Front has g walnut panels, metal trim enhances smartness speaker. AGC reduces fade-out when you move 5x3x1½″. Less accessories. From Japan. 1 lb.

24 U 024 S. Radio Alone..........................
55 U 999. Batteries. Wt., 6 oz.... ....**Pkg. of 3**

4-PIECE SET. Includes 10-transistor radio above, *pl* uine leather carrying case, earphone for private lis and 9-volt battery. Shpg. wt., 1¼ lbs.
24 U 027 S. Complete 4-Piece Set... ....

All-Transistor AM and FM-AM Car Radios With Speaker and Anter

DELUXE FM-AM CAR RADIOS

Pushbutton
$79.95
$5 monthly

Manual
$69.95
$5 monthly

LOW-COST AM CAR RADIOS

Pushbutton
$39.95
$5 monthly

Manual
$29.95
$5 monthly

A Pushbutton FM-AM Radio

Enjoy AM *plus* static-free FM with pushbutton convenience and superior fidelity. Modern 14-transistor, 6-diode circuit eliminates warm-up and reduces battery drain to only 1 ampere (average). "Quick set" pushbuttons offer instant band selection, may be set to FM or AM stations. FM circuit has 4 IF stages and AFC circuit to lock in stations. AM circuit has RF stage to pull in weaker stations. Tone control. Vernier dial drive for easy manual tuning. 3x8½x 8¼″. With 5x7″ speaker, antenna, hardware for under-dash mtg. 12-VDC neg. grd. 10 lbs.
24 U 228 X. *$5 Monthly*...**79.95**

C Pushbutton AM Radio

Delivers standard AM broadcasts in crisp, clear tone through big 5x7″ speaker (supplied). Five pushbuttons summon stations at your fingertip command—can be set to preferred stations in seconds. 5-transistor, 2-diode circuit ensures instant play and low battery drain. Features chrome-trimmed panel for decorative touch. Installs under dash of any car or truck. 2⅜x 6½x7½″. Complete with antenna, speaker, lead-in and standard plug. For 6 or 12-VDC negative or positive ground. 9 lbs.
24 U 236 X. *$5 Monthly*...**39.95**

B Manual FM-AM R

Handy band-selector bar ar slide-rule dial permit you t in on FM and AM statio ease. Modern 9-transistor, circuit warms up instant draws negligible current. I cuit offers four IF stages, ar to ensure stable, drift-free tion. AM circuit features RF stage for excellent recep weaker stations. Has tone for adjusting sound to su taste. Big 5x7″ speaker has Alnico V magnet. With a Installs beneath dash. 3x8 For 12-VDC neg. ground wt., 8¼ lbs.
24 U 231 X. *$5 Monthly*...

D Manual AM Rac

Enjoy fine reception of th dard AM broadcast band slide-rule dial makes precis effortless. Self-contained 5 er produces full tone—car moved easily for custom-mo if desired. Plays the mom turn it on, drawing negligi rent through its modern 5- tor, 2-diode circuit. Smart complements the interior Installation beneath dash ple. 2⅜x6½x7½″. With a For any 12-VDC negative car or truck. 5 lbs.
24 U 234 X. *$5 Monthly*...

ompact All-Transistor FM-AM and AM Radios

r Smallest
AM Portable
vith AFC

27.95
monthly

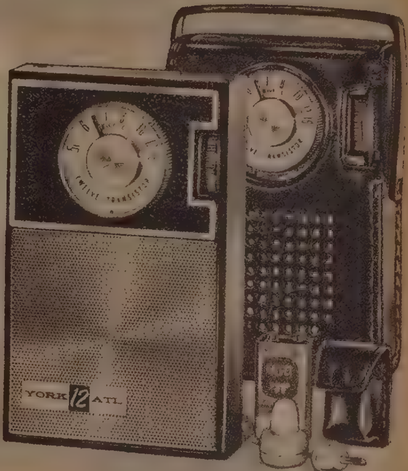
-Rule Dial
AFC Make
g Easy

FM-FM
LLOYD'S

12-Transistor
Radio Alone
$11.49

4-piece Set
$12.95

Has the Extra
Power Needed to
Pull in Weak AM
Stations



's 10-Transistor FM-AM Radio with AFC

ct portable offers drift-free FM, and crystal-clear transistors and 4 diodes pull in stations with ease. l-tone 3″ speaker and retractable carrying handle. cks for earphone listening . . one cuts out speaker, er permits simultaneous speaker-earphone listening. ping and ferrite rod antennas. Smart black plastic rome trim. 4¼x5¾x2¼″. With earphone and batses 4). From Japan. Shpg. wt., 3 lbs.

8 S. *$5 Monthly*........................**27.95**

0. Extra Batteries. 5 oz.............Pkg. of 2 for 20¢

York Deluxe 12-Transistor AM Radio

Deluxe portable boasts extra power, smart styling, and big, clear tone. Has 2½″ dynamic speaker. Geared tuning dial. Black plastic case with metal grille is only 4½x2¾x 1½″. Less accessories. From Japan. 1 lb.

24 U 000 S. Radio Alone..............................**11.49**

55 U 999. Batteries. Wt., 6 oz.............**Pkg. of 3 for 79¢**

4-PIECE SET. Includes 12-transistor radio above, *plus* genuine leather carrying case, earphone for private listening, and 9-volt battery. Shpg. wt., 1¼ lbs.

24 U 005 S. Complete 4-Piece Set..................**12.95**

FM-AM and FM-AM-SW Radios

M
50

$5
monthly

FM-AM-SW

$34.95
$5 monthly

ston FM-AM Radio

he musical and cultural ming offered on the FM herever you go. AFC conres drift-free reception. 14r circuit pulls in AM t band, too. Has 3x5″ dyeaker, tone and fine-tunrols, telescoping FM anerrite AM antenna. Black chrome. 9⅛x5⅜x2⅝″, phone, batteries (uses 4). pan. 6 lbs.

S. *$5 Monthly*....**32.50**

. Extra Batteries. Shpg. ....**Pkg. of 2 for 26¢**

Winston FM-AM-SW Radio

Tunes FM and AM, *plus* shortwave (3.9-12 mc). Hear local Amateurs, police, special services, plus foreign stations at night. AFC locks in FM stations for drift-free reception. 14 transistors, 4 diodes, thermistor. 2 telescoping antennas, plus ferrite rod. 3x5″ speaker. Tone and fine-tuning controls. Black plastic, chrome. 9½x6x3″. With earphone and batteries (uses 4). From Japan. 6½ lbs.

24 U 028 S. *$5 Monthly*....**34.95**

55 U 865. Extra Batteries. Shpg. wt., 5 oz..........**Pkg. of 2 for 26¢**

S. AC Adapter. 115 volt. For Winston radios. 1 lb........**4.95**

Allied® Fringe-Area AM Radio

9 Transistors
$17.95

- Large Speaker
- Hi-Lo Tone Switch
- 10-1 Tuning Ratio

Extra-sensitive radio features push-pull output for more volume, cleaner tone. Genuine saddle-stitched, top-grain calf leather cover, with die-cast, satin-brushed metal face. 9 transistors, plus 2 diodes, and thermistor. Hi-lo tone switch. 10:1 ratio for easy tuning. AGC minimizes fade-out. Ferrite antenna. 4½x7½x2¼″. With earphone and batteries (uses 4). From Japan. 1½ lbs.

24 U 026 S..............................**17.95**

55 U 870. Extra Batteries. Shpg. wt., 5 oz................**Pkg. of 2 for 20¢**

Portable Radios . . Go Anywhere, Play Anywhe

TRANSISTORIZED FOR LIGHT WEIGHT AND LONG BATTERY LIFE

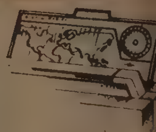
A Our Best Portable . . 11-Band Realtone Tunes FM-AM-SW-LW

Sixteen transistor portable gives you spectacular radio coverage. Eleven bands, with individual dial scales, let you select frequency giving best reception at any time of day or night. Two speakers and tone control enhance musical broadcasts on FM.

Bands: **Longwave** (150-400 kc) aircraft/marine navigation, weather; **Standard AM** (540-1600 kc); **SW 1 Marine** (2-4 mc) marine, weather, time, 75 and 80-meter Amateur; **SW 2** (4-9 mc) 60, 49, 41-meter international, time, 40-meter Amateur; **SW 3** (9-12 mc) 31, 25-meter international, time; **SW 4** (14.5-18.5 mc) 19, 16-meter international, time; **SW 5** (20.5-22.5 mc) 13-meter international, time, 15-meter Amateur; **FM 1** (66.5-72.5 mc) trucks, TV channel 4 sound; **FM 2** (78-90 mc) police, mobile; **FM 3** (90-108 mc) FM broadcast; **FM 4** (118-132 mc) aircraft, control towers.

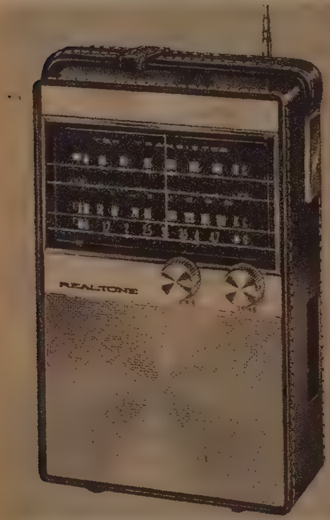
Hi-Fi/Distance switch. Plastic case. 9¾x13x5¾". With earphone, wire antenna for stronger daytime SW reception, batteries (uses 6). From Japan.

24 U 251 U. *$5 Monthly.* Shpg. wt., 15 lbs. **89.95**
55 U 865. Extra "C" Batteries. Shpg. wt., 5 oz. .... **Pkg. of 2 for 26¢**



Time zone map and dial show the hour anywhere in world

Telescoping 72" FM whip, Plug-in SW antenna



Realtone 10-Transistor 3-Band Portable

$29.95
$5 monthly

- FM-AM-SW
- Tone Control • AFC
- Shoulder Strap

Attractive styling, fine 3-band reception, large full-tone speaker make this radio an exceptional value. Receives FM and AM, plus 1.7 to 4.7 mc for local maritime, police, aeronautical and Ham stations. Local/Distance switch lets you choose powerful local stations or weaker far-away stations. Tone control. AFC prevents FM drift. 30" FM-SW whip; built-in AM antenna. Operates on batteries, or with optional AC adapter, from 115 v. AC. Leather-like black vinyl case, 9½x6x2½". With earphone, batteries (uses 4). From Japan. 3 lbs.

24 U 014 S. *$5 Monthly* **29.95**
24 U 008 S. AC Adapter. 8 oz. ... **4.95**
55 U 870. Extra Batteries. Shpg. wt., 5 oz. .... **Pkg. of 2 for 20¢**

B Realtone 15-Transistor FM-AM-SW-Marine Portab

Four-band portable receives FM, AM, plus 1.7 to 4.7 mc for marine
munications, Hams, aircraft, and 5 to 12 mc for international broad
public safety services, other marine services. Electronic bandspread c
lets you separate crowded SW stations. Has 3x5" speaker and tone co
AFC locks in FM stations, prevents drift. Telescoping 32" whip fo
and SW, ferrite-bar AM antenna. Dial light. Operates on batteri
with optional adapter, from 110-120 v., 50-60 cycle AC. Plastic case,
3". With earphone, wire antenna for longer-range daytime SW rece
batteries (uses 4). From Japan. Shpg. wt., 6 lbs.

24 U 010 S. *$5 Monthly* ....
24 U 008 S. AC Adapter. Shpg. wt., 8 oz. ....
55 U 865. Extra Batteries. Shpg. wt., 5 oz. .... **Pkg. of 2 f**

C Aiwa 12-Transistor FM-AM-SW Battery/AC Portal

Three-band portable operates from low-cost batteries or can be plugge
any 115-volt AC socket. Provides sparkling, wide-range FM reprod
and clear AM reception. Also tunes 3.6-10 mc shortwave for exciting
time foreign broadcasts, Amateurs, maritime services, WWV time s
Has tone control, AFC for drift-free FM, earphone jack, 360° ro
FM whip. 9x6x3". Leather-covered case, die-cast aluminum grille.
earphone and batteries (uses 4). From Japan. Shpg. wt., 6½ lbs.

24 U 097 S. *$5 Monthly* ....
55 U 865. Extra Batteries. Shpg. wt., 5 oz. .... **Pkg. of 2 f**

D "Sound-Design" 10-Transistor FM-AM Portabl

Enjoy beautiful music on FM, plus the varied programs on AM, wh
you want, wherever you go. Impressive-looking portable has an econ
circuit that operates for many hours from low-cost penlight batteri
cludes a genuine leather carrying case. Built-in ferrite bar antenna f
27" telescoping whip antenna for FM. Earphone jack for private o
night listening. With carrying case, earphone, and batteries (u
4¼x8⅛x2". From Japan. Shpg. wt., 1¾ lbs.

24 U 092 S. *$5 Monthly* ....
55 U 870. Extra Batteries. Shpg. wt., 5 oz. .... **Pkg. of 2**

E Panasonic Car/Portable FM-AM-SW Radio

Ten-transistor portable doubles as car radio, by sliding into brack
tional) under dash. Receives AM, FM with AFC to prevent dri
3.9 to 12 mc for nighttime foreign broadcasts, Hams, maritime a
craft radio. Big 5" speaker, 2-position tone control. Telescoping a
plus jack for auto antenna. Earphone jack. With batteries (uses 4).
case, 5¾x9½x2⅝". From Japan. 5 lbs.

24 U 011 S. *$5 Monthly* ....
24 U 074 S. Car Bracket. With lock and key. Wt., 1 lb. ....
55 U 865. Extra Batteries. Shpg. wt., 5 oz. .... **Pkg. of 2**

F Delmonico Subminiature AM Radio—NEW LOW P

Save $1.00 off the original price of this reliable radio. A 7-tra
circuit is enclosed in a small case that slips into your shirt poc
enjoyment of music, news or sports as you stroll. Pulls in standa
1600 kc broadcast band loud and clear. Handsome chain for easy c
Uses a single low-cost penlight battery. Thumbwheel controls.
case with metal grille. Built-in speaker, plus earphone. With
2⅝x2½x1⅛". From Japan. Shpg. wt., ¾ lb.

24 U 017 S. ....
55 U 870. Extra Batteries. Wt., 5 oz. .... **Pkg. of 2**

Don't Wait, Get Your Radio Now with Allied's Credit Fun

Feature-Packed
Portable Radios

A

$\$89^{95}$

$5 monthly

nds Cover FM-AM-SW-LW,
e and Aircraft Frequencies

AM
SW
FM
12 TRANSISTOR
AIWA

12-Transistor FM-AM-SW Radio
Plays on Batteries or AC

$\$44^{50}$ C

$5 monthly

TRANSISTOR
REALTONE

$\$49^{95}$ B

Transistors Pull-in
M Plus Two SW Bands

$5 monthly

SOUNDESIGN
FM
AM

D

10-Transistor FM-AM Portable
In Walnut-Veneer Plastic Case

$\$24^{95}$

$5 monthly

It's a Car Radio . .

. . It's a Portable

M,
ave

E

FM-AM
ALL TRANSISTOR

4^{95}

onthly

Save $1.00

Subminiature
7-Transistor Radio

Now

$\$7^{95}$

F

Table Radios and Dependable Clock-Radios

Aiwa FM-AM-Shortwave Radio Plays on Batteries or AC

$44^50
$5 monthly

- For Home or Away
- 12-Transistor Circuit
- With Wall Bracket

Plays from self-contained batteries, or 110-120 volt AC. All-transistor circuit for clearer tone. Tunes FM and AM, plus 3.9-12 mc for local marine and mobile communications, plus nighttime reception of foreign stations. Includes bracket for wall mounting, if desired. 4x2½" speaker. Telescoping FM whip, built-in AM-SW antenna. Gray plastic cabinet, silver-color trim. 4½x12x3". With batteries (uses 4). From Japan. 5 lbs.
24 U 276 X. *$5 Monthly*......**44.50**

55 U 865. Extra Batteries. Shpg. wt., 5 oz...............Pkg. of 2 for **26¢**

Low-Cost Panasonic FM-AM Radio Has Automatic Frequency Control

$27^88
$5 monthly

- Smart, Compact Design
- AFC for Drift-Free FM
- Easy-Tuning Wide Dial

Radio with trim, modern design brings in FM and AM programs with clarity and excellent tonal quality. AFC circuit keeps FM stations locked in so that you can listen for hours without retuning due to drift. Wide-screen slide rule dial features log scale and smooth tuning for easy station selection. Full-tone 4" speaker. Built-in ferrite rod AM antenna, external wire FM antenna. Contemporary cabinet in antique white with silver trim. 5¾x13x5½". For 110-120 volts, 60 cycle AC. From Japan. Shpg. wt., 5¼ lbs.
24 U 266 X. *$5 Monthly*.......**27.88**

A Delmonico Stereo FM/FM-AM Table Radio

- Low-Cost 4-Speaker Radio Brings You Thrilling FM Stereo
- Wide-Range FM and AM Reception
- Stereo Balance Control
- Stereo Indicator Light for Easy Tuning
- Continuous Tone Contr

Thrill to the realism of *stereo* with this table radio. Has the cha
separation you'd expect to find only in more expensive radios.
speakers for each channel, 5" and 3½", reproduce music with w
range response. Stereo balance control lets you adjust for maxim
stereo effect. Indicator that lights when you tune a stereo broad
and wide dial make tuning easy. All 4 speakers combine to pro
wide response on monophonic FM and AM too. Tone control
you emphasize bass or treble. AFC prevents FM drift. Luxur
walnut-veneer wood cabinet, matching grille cloth. 10x25½x7
For operation from 110-120 v., 60-cycle AC. From Japan. Shpg.
19½ lbs.
24 U 242 U. *$5 Monthly*.............................**57**

B Lloyd's Deluxe FM-AM Table Radio

- Two Large Speakers Bring You Mellow FM and Clear, Sharp A
- Three-Step Tone Control
- Pilot Lights Indicate FM or AM

Handsome radio brings you something extra in FM and AM lis
ing. Two big 6x4" oval speakers, widely separated on the 21" cabi
give you static-free, room-filling FM music and AM programm
AFC locks in FM stations—no drift. Three-step control lets
adjust tone to your liking. Wide slide-rule dial with log-scale
smooth tuning for easy station selection. Three color-coded
lights tell at a glance whether you are on AM, FM or FM with A
Polystyrene cabinet boasts walnut-grain finish. Size, 8¼x2
7¾". Interlock-type power cord for safety. U.L. Listed. For 110
v., 50-60 cycle AC. From Japan. Shpg. wt., 10½ lbs.
24 U 265 X. *$5 Monthly*.............................**32**

C Delmonico Value-Packed FM-AM Table Radi

- Enjoy Impressive FM and AM from This Attractive Radio's Two Spe
- Tone Control For Greater Music Enjoyment
- Handsome Wood Ca

Two 4" speakers, complemented by the resonance of the wood
inet, bring you rich-toned FM music. The AM circuit pulls in
and outlying stations clearly. Tone control allows bass or tr
emphasis for improved music quality. Tuning is easy and quick
large illuminated slide-rule dial. AFC locks in FM stations to
vent drift. Built-in AM antenna, external wire FM antenna. W
cabinet has polished walnut finish. 6 tubes, plus rectifier.
10⅜x17¼x6⅜". For 110-120 v., 50-60 cycle AC. From Ja
Shpg. wt., 10 lbs.
24 U 277 X. *$5 Monthly*.............................**29**

D Bargain-Priced Panasonic FM-AM Clock Radi

- Wakens You to Beautiful FM Music or Your Favorite AM Progr
- Buzzer-Alarm for Heavy Sleepers
- Luminous Hands

Offers clock-radio wake-up convenience plus full FM-AM
listening enjoyment. Clock can be set to turn off radio at
after any interval of up to an hour, and to waken you with plea
music in the morning. Also has buzzer-alarm to arouse heavy slee
Clock boasts accurate Telechron movement, luminous hands
sweep second hand. Durable plastic cabinet. Size, 14⅝x6
U.L. Listed. For 110-120 volts, 60 cycle AC. From Japan.
wt., 7 lbs.
24 U 278 X. *$5 Monthly*.............................**37**

E Panasonic Solid-State AM Clock Radio

- Solid-State Circuit Offers Cool Operation and Long Component
- Operates Instantly, No Wait for Warmup
- 3½" Speaker

Smart, compact design to grace any room. Solid-state (all-transi
circuit provides excellent depth and tone. Also eliminates waitin
your radio to warm up, and assures cool operation for long trou
free life. Clock can be set to turn off radio at any interval of
an hour, and to waken you with music or buzzer alarm. Telec
movement. Size, 5½x10½x3¾". Plastic cabinet in black or ivo
specify color. U.L. Listed. For 110-120 volts, 60 cycle AC.
Japan. Shpg. wt., 3 lbs.
24 U 267 CX. *$5 Monthly*.............................**27**

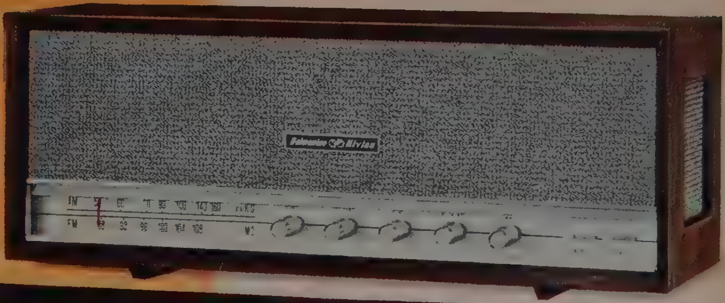
Relax to Static-Free FM or Clear AM

Ⓐ

$57.95

$5 monthly

Stereo FM FM-AM Four-Speaker Radio



Ⓑ

$32.95

$5 monthly

Big-Speaker FM-AM Radio

$29.95

$5 monthly

Value-Packed FM-AM Radio

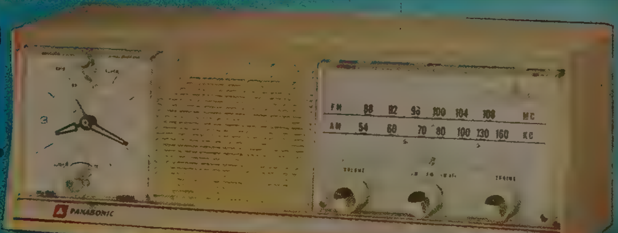
Our Lowest Priced FM-AM Radio with Wood Cabinet

Ⓒ

$37.88 Ⓓ

$5 monthly

FM-AM Clock-Radio



PANASONIC
solid state

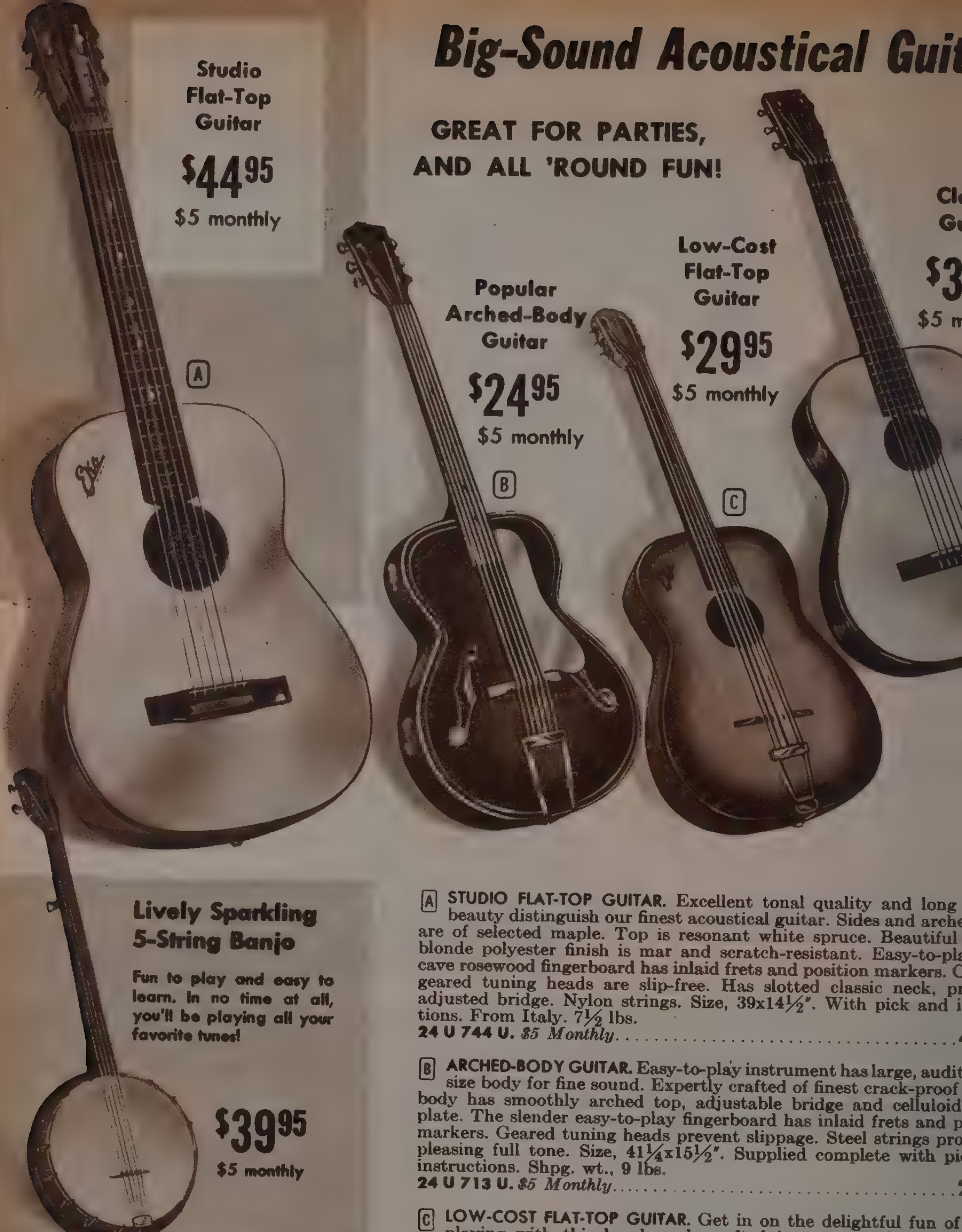
Ⓔ

$27.88 $5 monthly

Solid-State AM Clock-Radio

Big-Sound Acoustical Guit

GREAT FOR PARTIES, AND ALL 'ROUND FUN!



Studio Flat-Top Guitar

$44.95

$5 monthly

Popular Arched-Body Guitar

$24.95

$5 monthly

Low-Cost Flat-Top Guitar

$29.95

$5 monthly

Cl
G

$3

$5 m

A **STUDIO FLAT-TOP GUITAR.** Excellent tonal quality and long
beauty distinguish our finest acoustical guitar. Sides and arche
are of selected maple. Top is resonant white spruce. Beautiful
blonde polyester finish is mar and scratch-resistant. Easy-to-pla
cave rosewood fingerboard has inlaid frets and position markers. C
geared tuning heads are slip-free. Has slotted classic neck, pr
adjusted bridge. Nylon strings. Size, 39x14½". With pick and i
tions. From Italy. 7½ lbs.
24 U 744 U. *$5 Monthly*. . . . .

B **ARCHED-BODY GUITAR.** Easy-to-play instrument has large, audit
size body for fine sound. Expertly crafted of finest crack-proof
body has smoothly arched top, adjustable bridge and celluloid
plate. The slender easy-to-play fingerboard has inlaid frets and p
markers. Geared tuning heads prevent slippage. Steel strings pro
pleasing full tone. Size, 41¼x15½". Supplied complete with pi
instructions. Shpg. wt., 9 lbs.
24 U 713 U. *$5 Monthly*. . . . .

C **LOW-COST FLAT-TOP GUITAR.** Get in on the delightful fun of
playing with this handsomely-crafted instrument. Sides and
are of laminated mahogany. Top is imported laminated white oa
ished in rich brown shading. Rosewood fingerboard has inlaid p
dots and frets. Covered tuning heads. Steel strings have full tone
38½x14½". From Italy. Wt., 8 lbs.
24 U 791 U. *$5 Monthly*. . . . .

D **CLASSIC GUITAR.** A superb instrument for classic, flamenco o
Your fingers fly over the easy-to-play wide fingerboard. Has
tively thin, close-grained spruce top, extra strong maple body tha
full resonant tone. Carefully finished white top and dark stained
sides, and neck. Slotted classic-style head has slip-proof geared
heads. Easy to play, superb sounding nylon strings. Size, 36¾x14"
pick, instructions. Shpg. wt., 9 lbs.
24 U 715 U. *$5 Monthly*. . . . .

Lively Sparkling 5-String Banjo

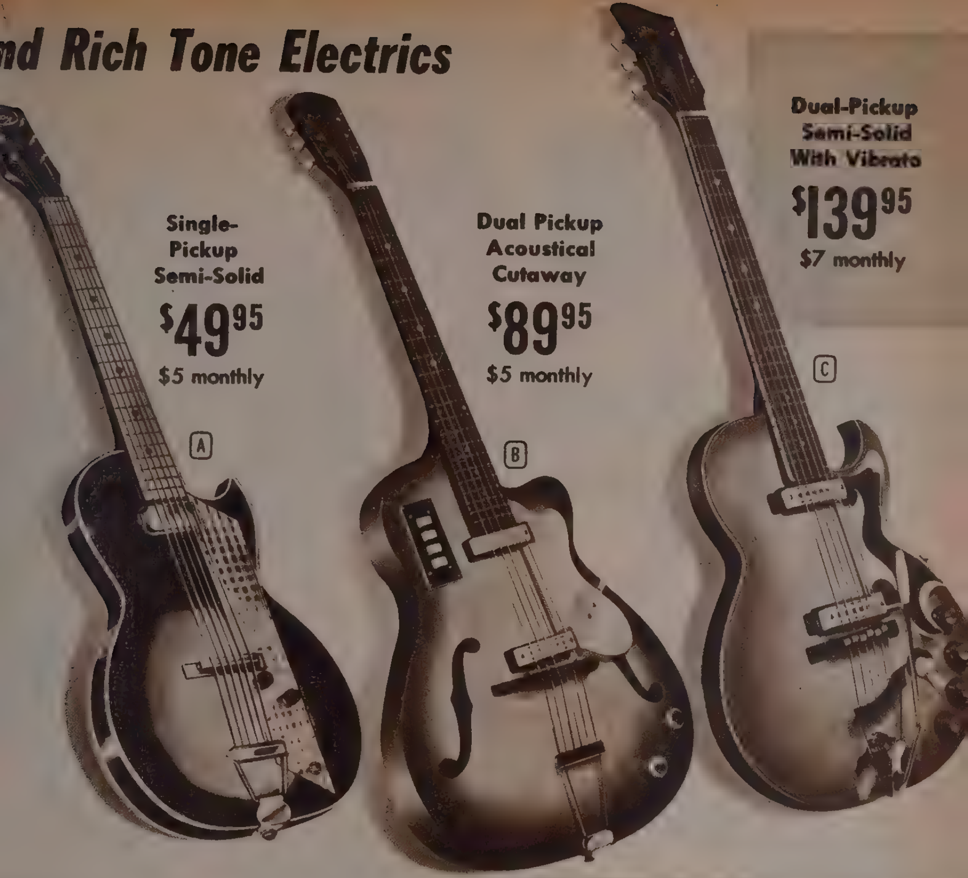
Fun to play and easy to learn. In no time at all, you'll be playing all your favorite tunes!

$39.95

$5 monthly

Frail it, strum it, pick it—hear its crisp lively tone. Has long-lasting hardrock maple shell and neck, 16 nickel-plated tension brackets, live-plastic head, geared tuning heads. Removable maple resonator has shaded brown finish with golden highlights, celluloid edge. With wrench, pick, book. 10 lbs.
24 U 726 X. *$5 Monthly*. **39.95**

nd Rich Tone Electrics



Single-Pickup Semi-Solid

$\$49^{95}$

$5 monthly

Dual Pickup Acoustical Cutaway

$\$89^{95}$

$5 monthly

Dual-Pickup Semi-Solid With Vibrato

$\$139^{95}$

$7 monthly

INGLE PICKUP SEMI-SOLID. Combines pure brilliant electric tone with rich acoustical undertones. Lamid crack-proof maple body is 1¾″ deep. Celluloid ling. Maple fingerboard has inlaid frets and markers. kel trapeze tailpiece. Sensitive magnetic pickup. omed guard plate. 39x13½x1¾″. Dark brown with ing sunbursts. With instructions, pick, neck cord. case, below. 9 lbs.

716 U. *$5 Monthly*....................**49.95**

717 U. Triple Pickup. Above, but 3 pickups; tone, controls; selector switch. 10 lbs............**69.95**

718 U. Guitar Case. 5¼ lbs................**6.95**

UAL PICKUP ACOUSTICAL CUTAWAY. Superb ounding, elegantly styled. Selected white curly le body; T-bar reinforced neck. Rounded rosewood erboard is a pleasure to play, has inlaid frets and tion markers. Individual tone and volume controls, stable bridge, triple-chromed tailpiece, pearl lucite rdplate. Red. 39¾x16″. Optional case, below. From . 10 lbs.

745 U. *$5 Monthly*....................**89.95**

746 U. Guitar Case. 5 lbs..................**8.95**

UAL PICKUP SEMI-SOLID WITH VIBRATO. Features utaway design, new short jazz neck. Semi-solid of select maple. Vibrato arm combines with adable bridge that "rolls" with the strings—stops age and tearing. Fully adjustable pickups with le magnetic fields for each string. Rigid metal T-reinforced neck. Geared tuning heads won't slip. dsome brown finish. 39x14½″. Optional case, below. From Italy. Shpg. wt., 11 lbs.

747 U. *$7 Monthly*....................**139.95**

748 U. Guitar Case. 5 lbs...................**8.95**

New Low-Cost Speaker-Amplifiers

8, 25 and 35-Watt Units

as low as $\$59^{95}$

$5 monthly

BASS 35-WATT (MUSIC POWER) AMPLIFIER. Gives a full, vibrant, soaring sound. 15″ Jensen speaker and 2″ tweeter; 2 inputs; bass, treble, volume controls. Standby switch. Top-mounted chassis. Irish linen cover. 22½x19½x10½″. For 110-120 v., 60 cycle AC. 40 lbs.

24 U 785 U. *$6 Monthly*....................**109.95**

25-WATT (MUSIC POWER) AMPLIFIER. 12″ Jensen speaker; 4 inputs; tremolo; modulation, speed controls; 2 channels; 2 volume, 2 tone controls; on-off switch; pilot light. Irish linen cover. 18x22⅜x9½″. Fused. For 110-120 v., 60 cycle AC. 27 lbs.

24 U 794 U. *$5 Monthly*....................**99.95**

8-WATT (MUSIC POWER) AMPLIFIER. As above, but 10″ speaker, 3 inputs, 1 volume, 1 tone control. Size, 14x18x9½″. For 110-120 v., 60 cycle AC. 20½ lbs.

24 U 795 U. *$5 Monthly*....................**59.95**

Swinging Electric Guitars—Allied-Price

Solid-State
5-Watt Amplifier
A
Save $9.95
89.90 Value
Guitar-Amplifier
$79.95
$5 monthly

$5
$5 m
$139.95
$7 monthly
$159.95
$8 monthly
C
B

A Dual-Pickup Guitar With 5-Watt Speaker-Amplifier

Double-cutaway solid-body guitar has: vibrato tailpiece, thin reinforced neck, steel strings, dual pickups, tone-volume controls, geared tuning heads, shining finish, 37½x12". All-transistor 5-watt amplifier has volume and tone controls, 3 inputs, bass-midrange speaker, 3" tweeter. 10x14x5". For 115 VAC. 16 lbs.

23 U 755 AL2U. *$5 Monthly*..........**79.95**
24 U 743 U. Guitar Alone. Japan. 10 lbs..**49.95**
24 U 789 X. Amplifier Alone. 6¾ lbs..... **39.95**

Save $9.95 **$109.90 Value**

Triple-Pickup Guitar Plus 5-Watt Amplifier

Both for $99.95 **$5 monthly**

Semi-solid guitar has maple body, slim reinforced neck. Each pickup has separate tone and volume controls, selector switch. Dark brown—sunburst. 39x13½x1¾". All-transistor 5-watt speaker-amplifier offers separate tone and volume controls, 3 inputs, bass-midrange speaker, 3" tweeter. Molded Royalite case, 10x14x5". For 115 VAC. Shpg. wt., 16¾ lbs.

23 U 033 AL2U. *$5 Monthly*. **99.95**
24 U 717 U. Guitar Alone. Shpg. wt., 10 lbs. *$5 Monthly*...........**69.95**
24 U 789 X. Amplifier Alone. Shpg. wt., 6¾ lbs. *$5 Monthly*......**39.95**
24 U 718 U. Guitar Case. 5¼ lbs **6.95**

Dual
Electric G

B Professional Guitar

Vibrato tailpiece, laminated curly m
thin adjustable reinforced neck. Ova
fingerboard, genuine pearl markers
have adjustable posts, tone and volum
Cremona brown with golden sunburst
2". Book, pick. 19 lbs.
24 U 725 U. *$8 Monthly*..............

C Double-Cutaway Guit

Laminated maple body, vibrato tail
steel reinforced neck. Oval rosewood fi
pearlette markers. Adjustable bridge
binding. Pickups have tone and volum
selector switch. Rich burgundy lacq
15x2". Book, pick. 12 lbs.
24 U 757 U. *$7 Monthly*..............

D Solid-Body Guitar

Double cutaway with vibrato tailpi
body for pure "electric" sound. Adjus
reinforced neck, rosewood fingerboar
have tone and volume control, selecto
Has popular "6-in-line" geared tuni
Bright polyester finish. 40½x11¾".
pick. Japan. 12 lbs.
24 U 792 U. *$5 Monthly*..............
24 U 793 X. Guitar Case. 6 lbs.........

Portable Phonos for the Younger Set

Stereo

$49.95

$5 monthly

Low-Cost

$39.95

$5 monthly

Phonola

MODEL 3004. For music and dance-fests *in stereo*. Sound pours from two 4″ speakers, one in case, the other in remote enclosure with 10-ft. le for really w-i-d-e channel separation. 4-speed changer plays six 10″ six 12″ records, or mixes them when they're same speed. Shuts off itself after last record. Turnover cartridge has synthetic-sapphire dles. Volume control for each channel, dual tone control. Scuff-stant cover in beige, brown and white. Case, 8x18x14″; remote, 7x x3″. Less 45-rpm spindle, below. U.L. Listed. For 110-120 v., 60 le AC. Shpg. wt., 22½ lbs.

U 544 U. *$5 Monthly* **49.95**

U 149 S . Automatic 45-rpm Spindle. Shpg. wt., 10 oz. **1.89**

MODEL 2002. Monophonic changer takes six 10″ or 12″ records, mixes same-speed records. Shuts off after last record. Turnover cartridge, thetic-sapphire needles. Tone control. 4″ speaker. 4 speeds. Blue white case, 8x18x14″. Less 45-rpm automatic spindle (above). U.L. ted. For 110-120 v., 60 cycle AC. 20 lbs.

U 551 U. *$5 Monthly* **39.95**

MODEL 2003. Solid-state, portable monophonic phono operates instantly. No tubes to warm up. 4″ speaker with Alnico V magnet deliv- big, clear sound. 4-speed changer handles six 10″ or six 12″ records, es same-speed discs; shuts itself off after last record. Synthetic-phire needles in turnover cartridge. Built-in brackets for mounting on l. Tone and volume controls. 14½x19½x8¼″. White with red trim. s 45-rpm automatic spindle (beneath Model 3004). U.L. Listed. For -120 v., 60 cycle AC. Shpg. wt., 20 lbs.

U 550 U. *$5 Monthly* **44.95**

Solid-State

$44.95

$5 monthly

Built to Take the Rougher
Handling of Children,
Case Is Washable Too

elmonico Solid-State Phono-Radio Goes and Plays Everywhere

RP-29 Battery-Powered Phono-AM Radio

- Plays Records at Picnics, on the Beach, Everywhere
- Plays 33⅓, 45, and 78-Rpm Records • 4″ Speaker
- Doubles as Compact, Easy-to-Carry Portable Radio

s versatile entertainer lets you hear your favorite ords, plus local AM radio stations, no matter where you . Full-tone 4″ speaker gives clear reproduction. No es, solid-state circuit is powered by 6 flashlight bat-es. Easy to carry, weighs less than 4 pounds. Only 8″ le, 11″ long, and 3¼″ deep. Turntable automatically rts when you lift pickup arm. Mute-switch disengages tor while you change records. Synthetic-sapphire dle. Coral and ivory plastic case. With batteries. From an. Shpg. wt., 6 lbs.

U 552 X. *$5 Monthly* **27.95**

U 553 X. TPH-27 Phono without Radio. 4 lbs. **21.95**

U 029 S. 110-VAC Adapter. For above. 1 lb. **6.75**

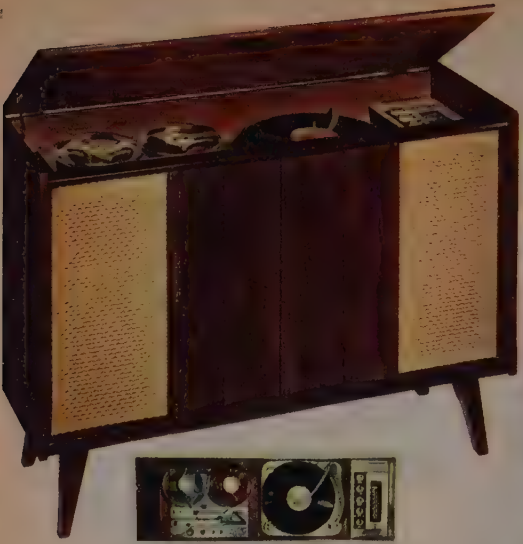
U 865. Extra "C" Batteries. Wt., 10 oz. **Pkg. of 2 for 26¢**

Unlimited
Entertainment

$27.95 $5 monthly

3-Speed
Phono and
AM Radio!

Stylish Stereo Conso



$279 95
$14 monthly

Our Finest Stereo Console

$129 95
$7 monthly

Complete with Stereo FM/FM-AM

Delmonico Stereo Entertainment Center

Brilliantly reproduces every source of music in wide-range stereophonic sound through four matched speakers, two 8″ and two 2″. Top lifts to reveal: a 2-speed tape deck that records and plays 4-track stereo and monophonic tapes (two microphones included); 4-speed changer that mixes all-size records of same speed; plus stereo FM/FM-AM radio. Tape deck also records direct from phono or radio—make stereo hi-fi tapes from FM stereocasts. Stereo cartridge has diamond and synthetic-sapphire needles for playing all records, mono or stereo. Oiled walnut finish. About 29x41x15″. From Japan. 135 lbs. Shipped express from New York City or Los Angeles.
24 U 583 ZF. No C.O.D. Orders. *$14 Monthly*. . .**279.95**

Delmonico Stereo Console in Deluxe Ca

The wonderful realism of stereo, plus full-size
cabinet at a low, low price. Automatic 4-speed
changer mixes 10″ and 12″ records of same spee
shuts itself off after last record plays. Turnover ca
has two synthetic-sapphire needles. Radio has
light to indicate FM stereocasts. Receives standa
and AM programing, too. Two 6″ bass speaker
whizzer cones for cleaner middle range, while tw
tweeters deliver crystal-clear highs. Has outputs for
extension speakers. Decorative walnut finish. Abo
36x16″. From Japan. Shpg. wt., 60 lbs. Shipped
from New York City or Los Angeles.
24 U 573 ZF. No C.O.D. Orders. *$7 Monthly*. **1**

$109 95
$6 monthly

$79 95
$5 monthly

A Delmonico Consolette H
Stereo Phono, Stereo FM/FM

Budget-priced consolette boasts a
phonograph *plus* stereo FM/FM-AM
4-speed changer mixes 10″ and 12″ rec
same speed, shuts off after last record
Two synthetic-sapphire needles play al
of records. Compensated FM circu
drift-free reception. AM radio offers
clear sound. Two 6x4″ bass speakers a
4″ treble speakers. Outputs for addi
tension speakers. In mahogany or wa
specify. 28x23x14″. From Japan.
Shipped express from New York City
Angeles.
24 U 578 CZF. No C.O.D. Orders. . . . 1

B Delmonico Consolette
With Stereo Phono/AM Rad

Our lowest priced consolette offers ex
stereo sound from records, plus standa
radio reception. Boasts 4 speakers: tw
bass, and two 4″ treble. Automatic 4
changer mixes various-sized same-spe
ords, and shuts itself off. Has outpu
adding extension speakers. In mahog
walnut—**specify.** About 29x23x15″.
Japan. Shpg. wt., 50 lbs. Shipped e
from New York City or Los Angeles.
24 U 581 CZF. No C.O.D. Orders. 7

-Down Stereo Portables Go Anywhere

9 95
onthly

A

B

$79 95
$5 monthly

Pedestal
Optional

A Stereo Phono with Stereo FM/FM-AM

Our best shelf-size stereo phono with stereo FM/FM-AM radio. Enclosures each have two 8″ and two 4″ speakers; separate up to 25 ft. for thrilling stereo realism. 4-speed changer mixes all-size records of same speed, shuts off automatically. Diamond and synthetic-sapphire needles. Walnut-grain vinyl finish, About 15x25x14″ (closed). With 45-rpm automatic spindle and brackets for wall mtg. U.L. Listed. Fits atop pedestal, below. 50 lbs.
24 U 530 U. Shipped express. *$8 Monthly*. **149.95**

24 U 545 U. Above, but with *solid-state circuit* for wider response, instant operation. *$9 Mo.*. . . **169.95**

B Deluxe Solid-State Stereo Phono

Features solid-state (all-transistor) amplifier. 4-speed changer mixes all-size records of same speed. Diamond and synthetic-sapphire needles. Each detachable enclosure has 8″ speaker with whizzer cone. Balance control, plus dual loudness, treble, bass. Wood cabinet about 15x20x8″. With 45-rpm automatic spindle, wall mtg. brackets. Less pedestal, below. U.L. Listed. 40 lbs.
24 U 546 U. *$5 Monthly*. **79.95**

Solid-State Stereo Phono
"Center-Channel" Speaker

uperb stereo and instant warmup.
changer mixes all-size records of
eed, shuts off automatically. Big 11″
e. Diamond and synthetic-sapphire
8″ "center channel" bass speaker
″ speaker in each detachable en-
Balance control, dual loudness, bass
le. Leatherette-covered wood cabinet
x23x15″ (closed). With 45-rpm auto-
pindle, wall mtg. brackets. Less
. U.L. Listed. 40 lbs.
U. *$6 Monthly*. **119.95**

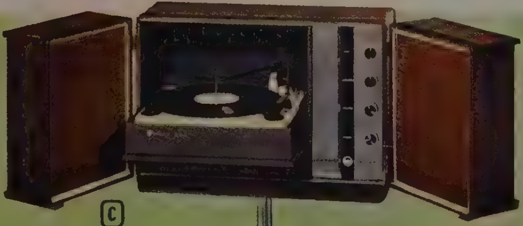
od Solid-State Stereo Phono

stereo at modest cost. Wood cabinet
achable enclosure each have 5¼″
with whizzer cone for clear tone.
ontrols. Changer similar to above,
ller turntable. About 19x28x15″, en-
14x6x7″. 45-rpm spindle, wall mtg.
Less pedestal. U.L. Listed.
U. Wt., 31 lbs. *$5 Monthly*.**69.95**

Stand. For units above. 15½″ high.
X. Shpg. wt., 3½ lbs. **8.95**

ack. For stand above. Holds 36 LPs.
X. Shpg. wt., 4¾ lbs. **8.95**

ll units on these two pages are for operation
20 volts, 60 cycles AC.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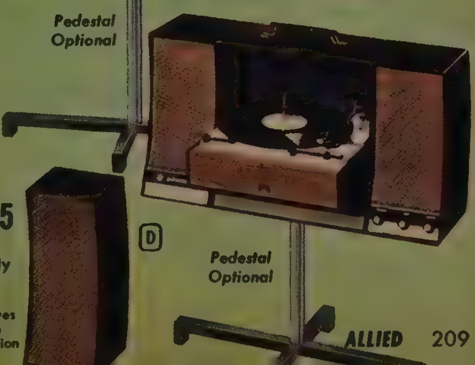
$119 95
$6 monthly

Pedestal
Optional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Pedestal
Optional

$69 95
$5 monthly

Left Channel
Speaker Removes
for Extra-Wide
Stereo Separation

82-Channel Portables Perform Well Everyw

Includes Earphone For Private Listening

$79.95

$5 monthly

Compact 12-inch* VHF-UHF Portable

So many features—yet costs so little! Two sensitive frame grid IF picture amplifiers give signals plenty of "boost" for well-contrasted pictures. AGC circuits maintain good picture resolution even in fringe reception areas. Front-panel 4" speaker provides highly intelligible FM sound. Excellent second set for family or personal viewing—has earphone for late-night listening without disturbing others. With individual VHF and UHF antennas. Size, 13⅜x13⅜x10¼". For 110-120 v., 60 cycle AC. (*Overall diagonal picture tube measurement.) From Japan. Shpg. wt., 23½ lbs. Shipped express.

24 U 272 U. *$5 Monthly*................**79.95**

Includes Earphone For Private Listening

$94.50

$5 monthly

Big-Value 16-inch* VHF-UHF Portable

Slim-line portable offering large picture at an exceptionally low price. Covers all VHF and UHF stations in your area—now and in the future. Two frame-grid IF picture amplifier give you sharply defined pictures even in fringe areas; reduce noise for highly intelligible sound through 6" speaker. Great second set—moves easily from place to place. With separate VHF and UHF antennas, earphone for private listening. Gray and black plastic cabinet, 16x16½x11½". For 110-120 v., 60 cycle AC. (*Overall diagonal picture tube measurement.) From Japan. Shpg. wt., 33¼ lbs. Shipped express.

24 U 274 U. *$5 Monthly*................**94.50**

A Big-Screen 19-inch* VHF-UHF

Bright and clear large-set performance in
portable, easily moved from room to room
VHF and UHF stations in your area, and is
ceive all new channels in the future. Three
amplifiers and non-glare 114° aluminized
provide brilliant, well-contrasted picture ev
areas. 6" oval speaker delivers high-quality, st
sound for relaxed listening—as well as view
listening earphone permits late-night view
disturbing others. Other outstanding features
chassis, heat-dissipating circuit design, bo
riveted) components and easily reached tube
servicing. With dual telescoping antennas for
18½x12". For 110-120 v., 60 cycle AC. (*Over
picture tube measurement.) From Japan. Shpg
Shipped express.

24 U 261 U. *$6 Monthly*..................

B Lightweight 9-inch* VHF-UHF

Lightweight personal portable with solid-stat
greater versatility. Takes power from AC out
power pack (optional, below) or any 12-volt
truck battery (with optional power cord,
tangular tube delivers bright, clearly defined
in weaker signal areas. Keyed AGC and AFC
picture stability. 3x5" oval speaker provides
sound. With earphone for private listening,
dipole antenna for VHF and UHF. 9½x9x
Japan. (*Overall diagonal picture tube me
Shpg. wt., 14¾ lbs. Shipped express.

24 U 258 U. *$7 Monthly*..................

24 U 259 X. Portable Power Pack. Includes batt
charger, carrying case. 9 lbs...............

55 U 858. Extra Rechargeable Battery. 6 lbs.....

24 U 345 S. 12-VDC Power Cord. Connects
lighter of car, boat, other 12 v. source. 12 oz..

C 6-inch* VHF-UHF Personal Po

You never have to miss that ball game or y
TV programs. You can take this compact,
personal portable anywhere. Operates on st
optional power pack (below) or 12 v. car, bo
battery (with optional power cord, below). Co
VHF and UHF stations in your area; ready
channels in the future. Deluxe solid-state c
keyed AGC and AFC, gives you sharp, stab
anywhere. With telescoping antenna, earpho
7½". (*Overall diagonal picture tube measuren
Japan. Shpg. wt., 12 lbs. Shipped express.

24 U 338 U. *$6 Monthly*..................

24 U 337 X. Portable Power Pack. Includes batt
charger, carrying case. 7 lbs...............

55 U 858. Extra Rechargeable Battery. 6 lbs.....

24 U 330 S. DC Power Cord. Connects to cigaret
car, boat, other 12 v. source. 1 lb...........

D 4½-inch* VHF-UHF Personal P

The perfect set for those who like to go plac
their TV, too. Brings you excellent reception o
and UHF (covers all 82 channels) . . . indoors
Deluxe solid-state circuit, with AGC, AFC
limiter, provides sharply defined corner-to-corn
Operates on standard AC, self-contained
batteries or optional DC power cord (below)
With AC adapter, twin telescoping anten
chargeable batteries, earphone for private list
carrying case, power cord, below. (*Overa
picture tube measurement.) From Japan. Sh
lbs. Shipped express.

24 U 329 U. *$7 Monthly*..................

24 U 328 X. Carrying Case. 2 lbs...........

55 U 859. Extra Batteries. Uses 3. 1 lb.........

24 U 345 S. DC Power Cord. Connects to cigaret
car, boat, other 12 v. source. 1 lb...........

19-inch* VHF-UHF Portable Offers Big Set Performance

$\$119^{50}$ $6 monthly

**overall diagonal measurement*

A

Portable Monitor
Belmonico Nivico

Belmonico Nivico

22^{50} monthly

Lightweight 9-inch* VHF-UHF Portable

**overall diagonal measurement*

Use Smaller Sets in Boats, Cars

Larger Sets Easily Moved Around House

C

6-inch* VHF-UHF Personal Portable

$\$117^{50}$ $6 monthly

**overall diagonal measurement*

CHANNEL TUNING
UHF

D $\$129^{95}$ $7 monthly

4½-inch* VHF-UHF Personal Portable

**overall diagonal measurement*

ntenna Gives Best UHF Reception—See Our Antenna Listings

Record Anywhere with these Ultra-com

Our finest selection of battery-powered portable tape recorders! Some also have facilities for operation from standard household current, for even greater versatility. All are fully transistorized and each has capstan-drive design for constant-speed recording. Lets you exchange tapes with friends for playback on other monophonic two-track recorders operating at the same standard speeds. There are numerous entertaining

and educational applications for your on-the
Latest circuit improvements let you make excelle
of voice and music. Many enthusiasts use their reco
taking in classroom lectures, business confer
letters," speech practice, on-location recordings
home-movies and slides, and music recordings f
the beach or on picnics, and even in cars and boa

ISCO

Famous Model CTR-5400 Two-Speed Portable Recorder

Outstanding Performance from a Budget-Priced, Battery-Operated Portable that Offers Exceptional Sound Clarity for Both Speech and Music Recordings

$59⁹⁵
$5 monthly

- Constant-Speed Capstan-Dr
- Plays Up to 3 Hours on Sin
- Convenient Playback Tone
- Mike and High-Level Mixin

Battery-powered portable with all-transi
records music with surprising clarity and re
up to 3 hours on a 5" reel of 1-mil tape (bo
1⅞ ips speed). Adjust sound to your pref
playback tone control. Microphone and r
sound may be mixed for special effects.
motor plus capstan-drive assure constant spe
playback on other recorders.

Other features: fast-forward, big-sounding 2
er, microphone with start-stop switch for re
tion, sound monitoring and private listeni
earphone. All controls are accessible with c
convenient outdoor use. Single knob control
Play, Stop, Rewind. Speeds, 3¾ ips (recom
music recordings) and 1⅞ ips (for speech).

Size, 4³⁄₁₆x11¼x8⅞". With mike, batterie
5" takeup reel, earphone, patch cord, reel of
Japan. Shpg. wt., 10 lbs.
79 U 202 MX. *$5 Monthly*. . . . .
79 U 118 M. AC Adapter. Lets you operate y
from 110-120 v., 60 cycle AC. Wt., 3 lbs. . . . .
55 U 868. Extra "D" Batteries. Wt., 8 oz. . **Pkg.**

CONCORD

"SOUND CAMERA"

$39⁵⁰ $5 monthly

CONCORD
Sound Camera

Weighs Just 2 Pounds, Take it Along for On-the-Spot "Soundshots"

Famous Model F-85 Recorder

Modern solid-state circuitry and improved head design, give you splendid performance from a recorder no larger than a home-movie camera. Capstan drive for playback on any other 1⅞ ips, 2-track recorder. Push-button controls for quick, easy recording and playback. Use it to record lectures, meetings, "voice letters," plus countless entertaining speech recordings. Self-contained speaker, outputs for earphone or an external speaker, record level-battery life indicator. 7x5x3". With dynamic mike, carry strap, 2⅜" (300') reel of tape and takeup reel. (Less batteries, uses 4). From Japan. 3 lbs.
79 U 222 MS. *$5 Monthly*. **39.50**
79 U 112. Extra 2⅜", 300' Reel Tape. 1 hr. Wt., 4 oz. . **1.19**
55 U 865. Extra Batteries. Wt., 4 oz. . . . . **Pkg. of 2 for 26¢**

STANDARD

"ELECTRONIC NOTEBOOK"

$39⁹⁵ $5 monthly

With Mike in Case

SR-F21T Recorder . . . No Bigger tha

Just switch it on and let this 2-track recorder
you. Captures anything you want to hear again!
capstan-drive design provides good performa
economy price. Weighs under 3 lbs. Runs silen
ips, with cover open or closed, for good speech
Dynamic microphone can be used in the case,
or on lapel. Two-lever control for Record, Sto
Play. Has speaker, level meter/battery-life in
ternal speaker output. 6x6⅝x2⅞". With mike,
reel of tape, takeup reel, batteries (uses 4). F
Wt., 2¼ lbs.
79 U 302 MS. *$5 Monthly*. . . . .
79 U 112. Extra 2⅜", 300' Reel Tape. 1 hr. Wt.,
55 U 865. Extra Batteries. Wt., 4 oz. . . . . **Pkg.**

No Need to Wait . . Get a Recorder Now with Your Allied Cr

·Quality Battery-Operated Tape Recorders

NY SonyMatic Battery-AC Model 900

tes from 4 Flashlight Batteries or Plug Into AC Wall Outlet
2 Hours Time on One 3¼" Reel

$67^50** **$5 monthly

always ready to record with this compact, solid-rtable. Powered by batteries or its own self-con-C converter. Features Automatic Volume Control stantly converts loud tones (large input signals) vould ordinarily distort, to proper recording level. nob function control; 2 tracks; tone control, and nding speaker. Capstan drive and response of cps at 3¾ ips for good-quality music recordings; gives you longer speech recording time. 3¾x8¾x ith dynamic mike having remote start/stop switch, rry case, takeup reel, batteries (uses 4 size "D"). apan. Shpg. wt., 10 lbs.

3 MS. *$5 Monthly*........................**67.50**

8. Extra "D" Batteries. Wt., 8 oz....**Pkg. of 4 for 64¢**

"Carry-Corder 150" Cartridge Portable

battery-operated ultracompact portable! Widely acclaimed for ence. Records up to one hour per cartridge (both tracks). artridges any time *without rewinding*. Capstan drive, 1⅞ ips recision head-design and deluxe circuit assure outstanding music recordings. Master knob for start, stop, fast-forward, Dynamic mike picks up the faintest sound. Record/battery adio-TV input, external amplifier and earphone outputs. 7¾x With vinyl carry case, mike (with remote start-stop), patch artridges (including demonstration tape). Less batteries. From Shpg. wt., 4 lbs.

S. *$6 Monthly*......................................**119.50**

M. Batteries. (Uses 5.) Wt., 4 oz...............**Pkg. of 2 for 26¢**

M. Extra Tape Cartridges. Wt., 4 oz..................**Each 3.15**

M. AC Adapter. For 110 v., 60 cycle. 1 lb................ **19.90**

M. Private Listening Headset. ½ lb......................... **12.75**

M. Foot Control. 2 lbs.. **17.75** **79 U 307. Phone Pickup.** ½ lb.**6.35**

$119^50
$6 monthly

Snap-In Cartridges Load and Play in 3 Seconds!

AIWA

p-In Cartridge —Record up to 50 Minutes!

$69^50
$5 monthly

7 "Snap-O-Matic" Cartridge Recorder

s smart styling, solid-state circuitry and the in operating simplicity—drop-in cartridge load-right for on-the-go recordings at home, school 2-tracks, 1⅞ ips speed. Pushbutton controls d, fast-forward, forward, rewind, stop. Dual-meter for record level and battery-life check. mike, radio/phono. Output for earphone, or an speaker. Automatic stop control. 2¼x8x5¾". note start/stop mike, tape cartridge, earphone, 4 eries. From Japan. Wt., 3 lbs.

MS. *$5 Monthly*...........................**69.50**

. Extra Batteries. 4 oz. (Uses 4.)...**Pkg. of 2 for 26¢**

M. AC Adapter. For 110 v., 60 cycle. 3 lbs...**7.95**

M. Extra Cartridges. 250′ tape. ½ lb....**Each 2.98**

Norelco

Big 4″ Reel Capacity for Uninterrupted Recordings of Speech, Music

$99^50
$5 monthly

"Continental 101" Deluxe Battery Portable

All-transistor pushbutton portable that's as easy to use as a radio. Capstan-drive 1⅞ ips speed for quality tapes of speech and music. Makes 3-hour tapes (both tracks) on one 4″ reel. Tone control; record/battery meter; automatic tape lifters. 8x11x3¾″. With dynamic mike, patch cord, "D" batteries (uses 6). From Holland. 9 lbs.

79 U 997 MX. *$5 Monthly*..........................**99.50**

55 J 868. Extra "D" Batteries. Wt., 8 oz......**Pkg. of 4 for 64¢**

80 U 543. Extra 4″, 300′ Reel Tape. 8 oz................**88¢**

79 U 117 M. AC Adapter. For 110 v., 60 cycle. 3 lbs..**19.90**

79 U 306 M. Foot Control. Remote start/stops. 2 lbs..**17.75**

79 U 305 M. Private Listening Headset. ½ lb..........**12.75**

79 U 307 M. Telephone Pickup Coil. ½ lb................**6.35**

EICO®

Super-Value Stereo Tape De

Shown with Optional Base

SPECIAL PURCHAS

**Brings You the RP-1
Professional-Desig
Stereo Tape Deck at
Lowest Price Eve**

Special Allied Pri

$309.00 less base

$15 monthly

Save $13.52 When You Buy Deck with American D20 Microphone Package

---

KNIGHT

KN-4401 MOST-POPULAR STEREO TAPE DECK

$169.95 less base

$9 monthly

Save $13.52 on KN-4401 Deck with American D20 Mikes

Shown with Optio

Get Your Stereo Tape Deck Now with Your Allied Credi

' Exclusives Give You More for Your Money

rofessional-Design Stereo Deck at Low Allied Price

₹P-100W Solid-State Stereo Tape Deck

Factory Assembled • Precision 2-Speed, 3-Head Transport
e Record/Play Preamps with Full Array of Controls
rate Pushbutton Controls are Solenoid Activated
Tape Path—Fast Threading, Easy Edit • Automatic Stop

in 1965 Catalog. Thanks to our giant purchasing power, 0W is now available, exclusively from Allied, at this special 'avored by discriminating recordists for its professional deck is perfect for enjoying thrilling stereo tapes through stem. Boasts pushbutton-activated electrical circuits and ated mechanical systems. Three heads for 4-track stereo ord-play, 2-track stereo and mono play, *plus* tape monitor-ch selected sound-on-sound recording. Hysteresis-synchro motor and two reel motors. Separate mixing inputs. 2 level g features. Takes 7" reels. 13⁵⁄₁₆x15⅞x7¼". For 110-120 C. 51 lbs.

. *$15 Monthly*. . . . .**Allied Exclusive 309.00**
MU. With 2 American D20 Dynamic Mikes. (See p. 364) **319.00**
. **Luggage-Type Carry Case.** Shpg. wt., 13 lbs. **24.95**
. **Oiled Walnut Base.** Shpg. wt., 7 lbs. **19.95**

RP-100W SPECIFICATIONS

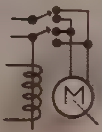
sponse: ±2 db, 30-15,000 cps at 7½ ips; ±2 db, 30-10,000 s. **Flutter and Wow:** under 0.15% rms at 7½ ips; under 0.2% s. **Signal-to-Noise:** 55 db at 7½ ips; 50 db at 3¾ ips. **Speed ccuracy:** ±0.3% (±5.4 sec. in 30 min.). **Rewind and Fast-:** 1200-ft. in 45 sec. **Input Sensitivity:** Mike, 0.5-mv; Line, nting: vertical or horizontal.

HIGH-PERFORMANCE FEATURES

3 Heavy-Duty Motors for Smooth Tape Flow; Precise-Speed Capstan Drive, and Reel Motors

Three Hyperbolic-Type 4-Track Heads for Wide-Response Stereo and Mono Record and Play

Solenoid Activated Pushbutton Operation for Instant and Effortless Control



Special Relay "Power Surge" Starting and Constant Differential DC Braking Prevent Tape Spillage, Breaking or Stretching

Noise-free, Stable, Long-life Solid-State Electronics . . Modern 8-Transistor Stereo Record, 6-Transistor Stereo Play Preamps

anding Performance . . One of Our Best Selling Decks

t® KN-4401 Deluxe 2-Speed Stereo Deck

ck Record/Play and Erase Heads • Records Stereo Multiplex
and 3¾ ips Speeds • Built-in Record/Play Preamps
mely Compact • Convenient Front-Panel Microphone Inputs
5,000 cps at 7½ ips for Exciting Stereo Hi-Fi Realism

erformance at a remarkably low price. Costs less than other comparable quality. Smart, functional styling complements m high-fidelity installation. Add this precision-built tape our music system and thrill to the amazing stereo realism it Offers complete 4-track stereo and monophonic tape facilities.

deluxe laminated 4-track record/play head and double-gap d. Built-in stereo record/play preamps with dual VU meters e recording-level settings. Digital tape counter with zero-. Single-knob control selects fast-rewind, stop, play or fast-Just touch a button to change speed from 7½ to 3¾ ips. In--level for microphones and tape heads; high-level for radio, ograph.

reels. Perfect for custom installation, only 13x13x6¼". Less 110-120 v., 60 cycle AC. Shpg. wt., 24¼ lbs.

MX. *$9 Monthly*. **169.95**
AL3MU. With Two American D20 Dynamic Microphones. Save likes regularly $11.76, each; see page 364.) Both mikes include d and bracket, lavalier cord. 27¼ lbs. **179.95**
MX. Walnut Base. 13½x13½x6½". Shpg. wt., 6 lbs. . . **15.95**

SPECIAL KN-4401 FEATURES

Precision VU Meters Permit Accurate Record-Level Settings for Each Channel

Convenient Single-Knob Control Instantly Selects Rewind, Stop, Play, Fast-Forward

Digital-Type Counter Aids in Editing and Indexing . . Zero-Reset Button

SPECIFICATIONS

Frequency Response: ±3 db, 50-15,000 cps at 7½ ips; ±3.5 db, 50-10,000 cps at 3¾ ips. **Flutter and Wow:** less than 0.2% rms at 7½ ips. **Signal-to-Noise Ratio:** better than 40 db. **Hum and Noise:** 50 db below peak recording level. **Bias Oscillator Frequency:** 80 kc. **Mounting:** operates in either horizontal or vertical position. Requires 12½" square cutout (without base) for custom installation.

AIWA Famous Tape-it-Anywhere Porta

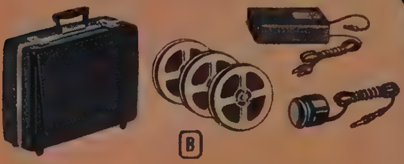
OUR LOWEST COST BATTERY-POWERED RECORDER WITH CAPSTAN DRIVE

MODEL TP-706
With Batteries, Mike,
Tape, Reel, Earphone

$39.95
$5 monthly

A

Save $7.28
COMPLETE TP-706 OUTFIT


B

Outfit includes Recorder with Accessories, plus AC Converter, Luggage Case, 3 Reels of Tape, Telephone Pickup. *$70.23 Value!*

$62.95
$5 monthly

C

MODEL TP-704
BATTERY AND A
With Remote Control M
5" Reel, other Access

$79.95 $5
monthly

MODEL TP-708
BATTERY AND AC
Complete with Accessories

$59.95 $5
monthly

ınd Just Great, Yet Cost So Little AIWA

706 2-Speed All-Transistor Portable

ed by 4 Flashlight Batteries • AC Adapter Provision
In Your Car, Classroom, Office, Home or Anywhere
nient Start-Stop Switch on Remote-Control Mike
peed Operation, Ideal for Speech Recordings

vest priced portable with *capstan drive!* Lets you e tape-correspondence with others for playback on rack monophonic recorder with 3¾ or 1⅞ ips Records up to one hour (both tracks) at 1⅞ ips)-ft. reel of tape.

"big recorder" features too—pushbutton control stop, rewind and record. Record-level indicator also as battery-condition meter. Inputs for recording crophone, radio, TV or phono.

speaker, plus outputs for external speaker and e. Window in case lets you see amount of tape on th lid closed. 3¼" reel capacity. Beautifully styled is as pleasing to the eye as it is to the ear. Compact ⁄2x9½x8". With mike, earphone, batteries, takeup as a 200-foot reel of recording tape. From Japan. t., 6 lbs.

0 MX. *$5 monthly*	**39.95**
9. AC Converter. Wt., 3 lbs.	**7.95**
8 M. Telephone Recording Pickup. 4 oz	**1.98**
3 MX. U.S. Royalite Carry-All Case. 5 lbs.	**17.95**
9. Tape. 350-ft. on 3¼" reel. 8 oz.	**Each 80¢**
5. Extra C Batteries. (Uses 4.) 4 oz.	**Pkg. of 2/26¢**

omplete TP-706 Outfit—*Save $7.28*

al items purchased separately sell for $70.23. Be o make "on the spot" recordings indoors or out s value-packed, highly practical outfit. Outfit con- TP-706 Recorder; AC converter for use with 110 v., e AC; U.S. Royalite luggage-type case; 3 350-ft. tape; telephone pickup. Shpg. wt., 14 lbs.

5 AL7MX. *$5 Monthly*	**62.95**

TP-708 Batteries or AC—4" Reels

n of a recorder with smart modern styling and operating economy. Plays on 110-v. or 4 flashlight s. Everything is built in, no adapter needed. Takes " reels that offer 50% more playing time than 3¼" ecord over 3 hours on a 4" reel (900') tape, both t 1⅞ ips speed. Constant-speed capstan drive too. for music and better-fidelity recordings. 4¼x2¾" all input and output jacks, pushbutton operation, battery meter. Recessed controls—slides into brief th barely a bulge. Plays with cover closed. With op dynamic mike, earphone, tape, 4" takeup reel, s. 2¾x10⅜x10¾". For battery/110-120 v., 60 C. From Japan. Shpg. wt., 11 lbs.

2 MX. *$5 Monthly*	**59.95**
5. 4" Reel Tape. 900-ft., ½-mil. 10 oz.	**Each 1.83**
8. Extra "D" Batteries. (Uses 4.) 8 oz.	**Pkg. of 4/64¢**

TP-704 Batteries or AC—5" Reels

t, lightweight design makes this portable easy to And, with self-contained batteries and built-in AC , you can record *wherever* you are. Records up to rs on single 5" reel of 1200-ft. tape (both tracks at . Constant-speed capstan drive with 3¾ ips speed sic. Plays through its own excellent-tone 2½x4" , earphone, or external speaker. Records from mike, phono, TV. Simple to use "keyboard" controls; evel and battery-strength meter; AC-on light. Cast m frame secures chassis and motor. High-impact case, 3½x12x10½". With start-stop mike, earphone,) reel tape, takeup reel, batteries. For battery and v., 60 cycle AC. From Japan. 14 lbs.

8 MX. *$5 Monthly*	**79.95**
8. Extra "D" Batteries. (Uses 4.) 8 oz.	**Pkg. of 4/64¢**

Housed in Handsome and Durable Vinyl-Covered, All-Steel Attache-Type Carrying Case

Model TP-801 "Impressario" Two-Speed AC Recorder

$79⁹⁵
$5 monthly

Complete with Mike, Earphone, 7" Reel, Tape and Accessory Pouch

- **Big 7" Reel Capacity, Records Over 6¼ Hours on a Single Reel of Tape, Both Tracks**
- **Operates at 7½ ips for Hi-Fi Music, 3¾ ips for Speech Recording**
- **Wide-Range Response, 70-15,000 cps @ 7½ ips**
- **Instant-Action, Handy Function Controls**

One of our most popular recorders. The "Impressario" has earned an outstanding reputation for its exceptionally fine-quality recording of both speech and music . . and its budget-sparing low price. Records from any source—FM, phono, TV, or other recorder—plus "live" performances using the full-frequency dynamic microphone, supplied.

Output jacks give you choice of playback through self-contained 4x6" speaker, private-listening earphone, or your hi-fi system. Has output for adding an external speaker too. Big-sized reel capacity lets you record for a long time without reel changes. A single 7" reel of 3600-ft. tape gives you over 6¼ hours time, using both tracks at 3¾ ips. Controls include sure-grip record/play and rewind lever with pushbutton fast-forward and safety-record-lock; dual concentric volume and bass/treble tone controls; and Speed Selector.

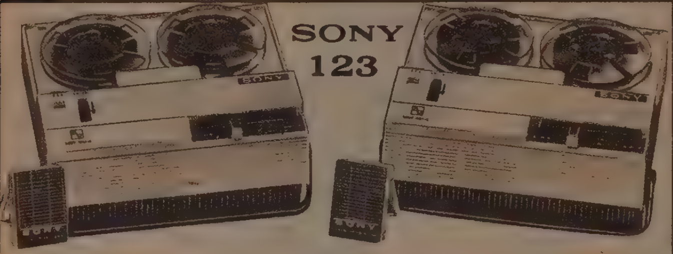
Also has easy-read "Magic Eye" recording indicator; digital counter; and integral cast-aluminum frame for chassis protection. All-steel vinyl coated case, 6x14x14". With mike, earphone, 7" reel of tape, takeup reel, accessory pouch. For 110-120 v., 60 cycle AC. From Japan. Shpg. wt., 25 lbs.

79 U 995 UU. *$5 Monthly*	**79.95**

Latest Model Monophonic Portable Record

Monophonic, AC-powered tape recorders in every price category. The most popular type of recorder for home use. All portables are capstan-driven to maintain accurate, constant speeds. Allow you to exchange tapes with friends and relatives for playback on other two-track recorders of the same speed.

**You'll appreciate the longer recording time these uni
Many accommodate up to 7″ reels for uninterrupted
selections. All offer a wide-range frequency response
for music entertainment, language studies, play readi
drama practice, church and community activities.**



"TapeMates". . One to Keep, One For Your Tapemate . . Exchange Letters the Modern Way—By Voice

Two for $79.50 $5 monthly

The new way, the best way, to keep in touch. With "TapeMates," there are no miles between you and your Tapemate's voice!

Letters come alive when they're recorded on "TapeMates." An ideal gift that keeps on sending the companionship of your voice to your girlfriend or boyfriend, wife or husband, mother, children, or faraway friend. Your loved ones are never far from the sound of your voice. Two-track design allows playing up to 2 hours on one 3¼″ reel of tape. Just pick up the microphone and you are ready to begin recording. The Automatic Volume Control adjusts for proper recording level. Solid-state design and capstan-drive offer true-to-life speech recording at 3¾ and 1⅞ ips speeds. Microphone input and monitor output. Outfit includes one recorder in smart gray and white high-impact case and lid, the other in coral and white. Each is a compact, 4x8x7½″. With mikes, takeup reels, "ready-to-ship" carton for mailing one recorder to your Tapemate. For 115 v., 60 cycle AC. From Japan. Shpg. wt., 12 lbs.
79 U 313 MX. Per Pkg. of Two Model 123 "TapeMates."..........**79.50**

SONY

$59.50
$5 monthly

"SonyMatic" 135 with A

Exceptional Sony value. Two
3¾ and 1⅞ ips, 2-track record
deluxe features you'd expect onl
more expensive units. Automat
ume Control instantly adjus
best recording level. Large 5
capacity for longer playing time
boasts pause control, automati
lifters for noiseless rewinds, b
speaker, external speaker, o
Records from radio, TV, phono
and white pebble-grain plastic
9½x11x5½″. With zippered
carry cover, dynamic mike, t
reel. For 110-120 v., 60 cycl
From Japan. Wt., 11 lbs.
79 U 239 MX. *$5 Monthly.....*

CONCORD

$59.50
$5 monthly

Model 102—Takes 7″ Reels

A *compact* all-transistor recorder with *big-recorder* capacity. Handles 3″, 5″ or 7″ reels for up to 6 hours recording time on a single reel of 3600-ft. tape. 2-speed, 7½ and 3¾ ips, 2-track operation. Big 10x2½″ built-in speaker. Tapes direct from radio, TV or phono. Output jack for earphone or an extension speaker. Accessible controls and recording level indicator. 5½x12½x11″. With mike, earphone, patch cord and 7″ takeup reel. For 110-120 v., 60 cycle AC. From Japan. Shpg. wt., 19 lbs.
79 U 495 MX. *$5 Monthly*.....**59.50**

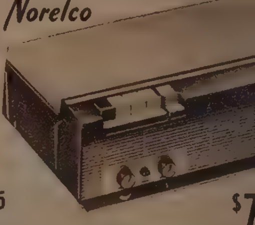
PANASONIC

$69.95
$5 monthly

All-Transistor RQ-555

Modern solid-state circuitry provides instant play, exceptional sound quality, and excellent reliability. Plays up to 3 hours on a 5″ reel of 1-mil tape (both tracks). Dual speeds, 3¾ and 1⅞ ips. Features VU meter, 6x3″ dynamic speaker, tone control, jacks for direct connection to radio, phono, external speaker or earphone. 5½x11½x9½″. Complete with dynamic mike, patch cord, 5″ takeup reel, recording tape, splicing tape. For 110-120 v., 60 cycle AC. From Japan. Shpg. wt., 7¾ lbs.
79 U 314 MX. *$5 Monthly*.....**69.95**

Norelco



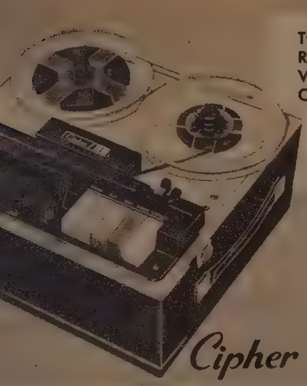
$7
$5 m

"Continental 95" Portab

Deluxe quality at an economy
3¾ ips speed offers surprisingly
response for music. Records u
hours on 5″ reel of tape (both t
Automatic Record Control *el*
ically sets correct level.
operation too—pushbutton co
for record, play, fast-forward a
wind, tape pause and stop. Adju
tone control. Full array of inpu
output jacks. 80-12,000 cps res
5x14¼x10″. With dynamic mi
takeup reel. For 110-120 v., 60
AC. Wt., 12 lbs.
79 U 315 MX. *$5 Monthly....*7

Use Your Credit Fund to Get Your Tape Recorder

Every Interest and Budget Requirement



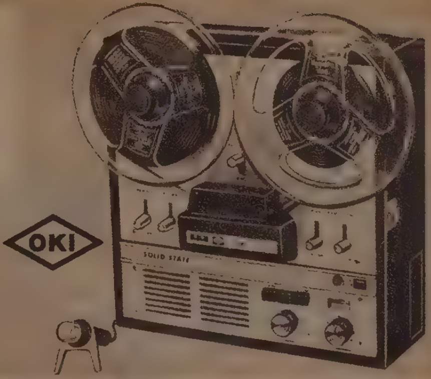
Two-Track Monophonic
Recorder Featuring
Versatile Three-Speed
Operation . . .

With Handsome
Luggage-Style Case

her 21 3-Speed Pushbutton Recorder

9^{95} $6 monthly
- "Magic-Eye" Record Indicator
- Solid-State Preamplifier

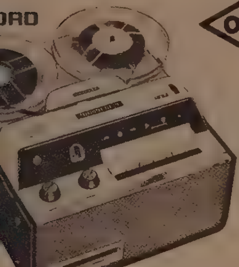
ence, smart styling and easy portability highlight able recorder. Boasts positive-action pushbuttons selection of rewind, stop, fast-forward, play and Full-size reel capacity too, takes 7″ reels. Make t-quality music recordings at 7½ ips speed; slower f 3¾ and 1⅞ ips allow you longer uninterrupted time for speech recordings. Response, 70-13,000 ½ ips. Has tape lifters for noiseless rewinds, digital "eye-type" record-level indicator, input jacks for dio-phono-TV, 6x4″ speaker. 6½x13⅞x13″. With mike, 7″ takeup reel, splicing tape, earphone, ord. For 110-120 v., 60 cycle AC. From Japan. t., 32 lbs.
6 MU. *$6 Monthly* **109.95**



Model 111 2-Track Solid-State Recorder

$\$99^{90}$ $5 monthly
- Professional-Like Styling
- 7½ and 3¾ ips • 7″ Reels

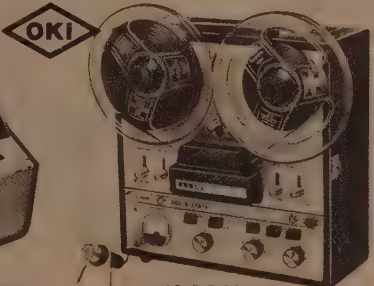
Fully-transistorized portable provides excellent mono performance at a popular price. Designed for use in either vertical or horizontal position. Its good-looking appearance is exceeded only by its fine tonal quality. Response, 60-13,000 cps at 7½ ips. Features: simple lever controls, index counter, interlock pause control, sound monitor button, VU meter, volume and tone controls. Also speed equalization for 7½ and 3¾ ips, microphone and radio-phono inputs, self-contained 3x5″ speaker, outputs for an external amplifier and speaker. 12⅝x11⅞x6″. Complete with dynamic mike and table-top stand, 7″ takeup reel, reel hold-downs and patch cord. For 110-120 v., 60 cycle AC. From Japan. Shpg. wt., 17 lbs.
79 U 249 MX. *$5 Monthly* **99.90**



$6 monthly **$\$119^{50}$**

uxe 3-Speed Model 220

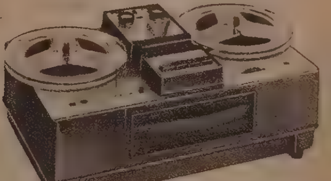
ed design, 3-speed portable vith features. Pushbuttons convind, stop, fast-forward, play, and cue/edit modes. Volume e controls, "magic-eye" indiounter, built-in speaker, radionput. Transistorized circuitry esponse of 40-15,000 cps at . Varisync motor holds speed t for recordings at 3¾ and . 7½x12x13″. With dynamic arphone, 7″ takeup reel, patch or 115 v., 60 cycle AC. From Wt., 34 lbs.
7 MU. *$6 Monthly* . . . **119.50**



$\$149^{90}$ $8 monthly

Model 222 4-Track Recorder

Double your recording time with this all-transistor portable that provides four separate tracks for monophonic recording at 7½ and 3¾ ips. Has heads and preamp for stereo playback through any separate stereo amplifier. Has same convenience-designed controls and facilities of Model 111, described above. Response, 50-15,000 cps at 7½ ips speed. 12⅝x11⅞x7″. With dynamic mike, 7″ takeup reel, patch cords, reel hold-downs. For 110-120 v., 60 cycle AC. From Japan. Shpg. wt., 18 lbs.
79 U 318 MX. *$8 Monthly* . . . **149.90**



"Control Central" Puts All Controls within a Handspan

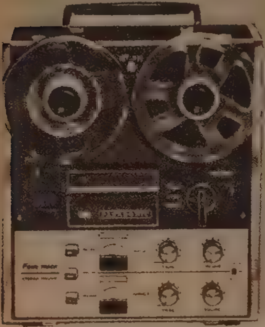
$\$149^{95}$ $8 monthly

Deluxe 4-Speed Model 5150

Completely transistorized portable offers complete range of speeds—7½, 3¾, 1⅞ and 15/16 ips. All the features you could want in a mono 2-track recorder: vertical/horizontal operation; hi-fi response of 40-17,000 cps at 7½ ips, 50-10,000 cps at 3¾ ips. "Control Central" offers a complete array of controls. Inputs and outputs, VU meter, pause, counter, auto shutoff, tape lifter, head demagnetization, reel locks. 10x16x7″. With mike, 7″ reel tape, takeup reel. For 110-120 v., 60 cycle AC. Wt., 20 lbs.
79 U 319 MX. *$8 Monthly* . . . **149.95**

Latest 4-Track Stereophonic Tape Recorders .

Each of the recorders on these two pages is a self-contained Stereo Entertainment Center. Each one lets you record and play your own tapes, as well as play pre-recorded commercial tapes. You can also make and play monophonic tapes. You'll be amazed at the thrilling realism and clarity of taped stereophonic sound . . the ultimate in hi-fi reproduction. All have 4-track desi
double the playing time of 2-track units. Each unit fe
complete controls. Many have provision for special effects
possible by sound-on-sound. Enjoy high-fidelity at its
choose one of these Stereo Entertainment Centers.



PANASONIC

Portable Extension Speaker Systems Available (Below)

$179.95 Includes Two Built-In 6x4" Speakers and Two Mikes

$9 monthly

Model RS-755S Solid-State 4-Track Stereo Portable

- Provision for Sound on Sound, Trans-a-Track, Direct Monitoring
- Offers Brilliant 4-Track Stereo and Mono Record and Playback

Superb performance at low cost. Operates at 3¾ and 7½ ips. Two recording level meters; automatic shutoff; pause control; inputs for mikes, high-level sources; outputs for extension speakers, external amplifier. 60-15,000 cps at 7½ ips. Flutter and wow: under .25% at 7½ ips. Boasts 14 transistors, 2 diodes, 4 thermistors, 4 rectifiers. With 2 mikes, 7" reel of tape, 7" takeup reel, splicing tape, 2 patch cords for recording from phono/TV, 2 speaker plugs. 18x14³⁄₁₆x7⅞". For 110-120 v., 60 cycle AC. From Japan. 40½ lbs.
79 U 207 MU. *$9 Monthly* **179.95**

EXTENSION SPEAKERS. Pair of 7" systems lock together for carrying. Charcoal-gray vinyl-covered wood. Two 8' cables. 15⅝x16x9".
79 U 214 MU. Wt., 20¾ lbs. *$5 Monthly* .... Per Pair 49.95

SONY

$179.50

$9 monthly

200 Portable, Detachable Speak

- 4-Track Stereo and Mono Record and Pla
- Sound on Sound • Outstanding Tonal F

Two full-range speaker systems combine to
recorder carrying case. May be placed
15 feet apart for wide stereo separation
vanced-design drive system for increased
bility. Two VU meters; pause; counter. In
mike; radio/TV. Outputs: 600-ohm high
8-ohm for extra speakers, stereo headse
14,000 cps at 7½ ips; 50-10,000 cps at 3
Flutter and Wow: less than 0.19% at 7
S/N: better than 45 db. Black, gray plas
15x16". 2 mikes, 7" takeup reel. For 110-
60 cycle AC. From Japan. 37 lbs.
79 U 005 MU. *$9 Monthly* **17**

Wollensak

NEW SOLID-STATE 4-SPEED RECORDERS WITH "CONTROL CENTRAL" PANEL

Built-in Speakers

Feature Packed Model 5250

Center-panel control! Records and plays 4-track stereo or mono at 4 speeds: 7½, 3¾, 1⅞, or ¹⁵⁄₁₆ ips. Built-in 6x4" speakers. Monitor, automatic head demagnetization, automatic tape lifters, self-adjusting brakes, automatic shutoff, pause, VU meters, individual tone and volume controls, reel locks, digital counter. Inputs: mike, phono-radio. Outputs: extension speakers, preamps. 40-17,000 cps at 7½ ips; 50-10,000 cps at 3¾ ips. F/W: less than 0.25% at 7½ ips. S/N: 48 db. 10x16x7". One mike (extra at right), 7" reel of tape, takeup reel. 110-120 v., 60 cycle AC.
79 U 326 MU. 30 lbs. **189.95**

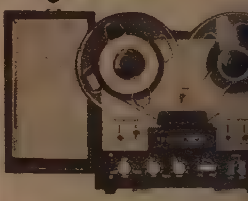
5280 with Detachable Speakers

Boasts two deluxe wing speaker systems and features a striking simulated teak finish. Systems have 6" speakers; separate up to 9 feet. Close to form lid. Otherwise, same as 5250 at left. 10¼x19¾x10". One mike, 7" reel of tape, 7" takeup reel. For 110-120 v., 60 cycle AC. 39 lbs.
79 U 327 MU. *$11 Monthly* .. **219.95**
79 U 040 MX. Extra Mike. 3 lbs... **13.50**

79 U 329 MX. Model 5200 Deck. Above, less power amplifier, speakers, accessories. 9¼x18⅞x7⁵⁄₁₆". 18 lbs. **179.95**

79 U 328 MX. Wall Bracket. Mount recorder/speakers on wall 2 lbs.... **1.95**

OKI



New 300 Solid-State Por

Compact! Records and pla
track stereo or mono at 7½
3¾ ips. Double-shielded la
tion-type record/play head,
ble-gapped erase head for
sound! Two 5" speaker sy
form cover; detachable for
channel separation. Auto
shutoff, 2 record buttons
safety lock, 2 level meters, co
Inputs: mike, auxiliary. Ou
speaker, amplifier. 40-15,000
7½ ips. F/W: under 0.2%
ips. S/N: 50 db. Silver, black
11½x12x8¼". With 2 mik
patch cords, 7" takeup reel
110-120 v., 60 cycle AC.
Japan. Shpg. wt., 25 lbs.
79 U 330 MU. *$10 Monthly* **18**

Enjoy a Tape Recorder Now, Use Your Allied Credit

ıplete Record-and-Play Entertainment Centers

Roberts 1630 3-Speed Deluxe Portable

Loaded with Professional Taping Features
Full 40-18,000 Cps Response at 7½ ips Speed
Built-In 7x5″ Speakers • With Two Mikes

$229⁹⁵
$12 monthly

rs true high-fidelity performance! Records and plays 4-track
ɔo or monophonic tapes at 3 speeds: 1⅞, 3¾ and 7½ ips. Has
y deluxe extras for a unit at this price: lock-in edit and pause
r, automatic shutoff, VU meter, 50-cycle switch, stereo phone
, special bias for flawless stereo FM recording, counter, separate
and right-channel volume and tone controls, speaker on-off switch,
ty interlock. Built-in 7x5″ extended-range speakers. Cover may be
ed on mounted 5″ reels. Inputs: mike, phono-radio. Outputs:
rnal speakers (not included), preamps, stereo headphone. Response
db): 40-18,000 cps at 7½ ips; 50-10,000 cps at 3¾ ips. Flutter/
v: under 0.2% at 7½ ips. Signal to Noise Ratio: over 45 db. 13¾x
x7½″. With 2 mikes, 7″ reel of pre-recorded tape, takeup reel.
110-125 volt, 50 or 60 cycle AC. Shpg. wt. 38 lbs.
335 L2MU. *$12 Monthly* **229.95**

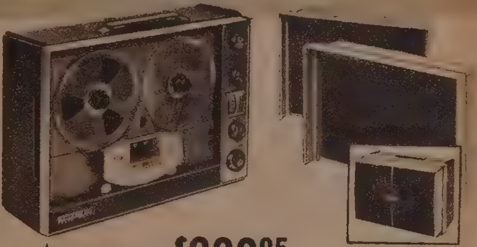
sak

5 Feet Wide **$279⁹⁵** *Solid Teak/Walnut, Recorder, Deluxe Walnut Speakers*

trol Central" Solid-State 4-Speed 5300

om-Design Solid-Wood Cabinet • 2 Sliding Doors
Speaker Systems with Big 9x6″ and 3″ Speakers

ive appearance, plus excellent 4-track stereo or
ecord and playback at 7½, 3¾, 1⅞ or $\frac{15}{16}$ ips.
center-panel control. Independent walnut-veneer
systems (each 10¼x20x8¾″) for outstanding re-
ion. Spread up to 9 feet. Includes wall-mount
too. Monitor facility, automatic head demagnetiza-
omatic tape lifters, self-adjusting braking system,
ic shut-off, 2 VU meters, 4-number digital counter,
pause, external circuit breaker, individual tone and
controls, reel locks. Inputs: mike, phono-radio.
: extension speaker, preamps. 40-17,000 cps at 7½
0,000 cps at 3¾ ips. F/W: 0.25% at 7½ ips. S/N:
¼x20x8¾″. One mike, 7″ reel of tape, takeup reel.
-120 v., 60 cycle AC. 45 lbs.
MU. *$14 Monthly* **279.95**
MX. Extra Mike. For stereo. 3 lbs. **13.50**



AMPEX **$299⁹⁵** *NEW! Famous Ampex at Remarkably Low Price!*

Model 860/813 Solid-State 3-Speed Portable

- Includes Model 860 Recorder plus Pair of Model 813 Speakers
- Precision Engineered • VU Meters • Deep-Gap Heads

Lowest price ever for an Ampex! Records and plays 4-track stereo/mono at 7½, 3¾, 1⅞ ips. Interlocked tape controls, dual capstan drive (no pressure pads), special deep-gap heads like those in professional equipment, constant-speed motor, automatic shutoff, automatic lifters, 2 VU meters, push-pull bass attenuator, counter, safety record lock. Full inputs, outputs. Wing units (9x6″ speakers) separate to 30 feet; close to form cover. 15-15,000 cps at 7½ ips; 50-7500 cps at 3¾ ips. F/W: 0.15% at 7½ ips. S/N: 46 db. Aluminum frame. Size, 19x13½x7½″. Suppled with 7″ takeup reel, one microphone. For 110-120 v., 60 cycle AC. Shpg. wt., 37 lbs.
20 U 435 AL2MU. *$15 Monthly* **299.95**
79 U 333 MU. Model 850 Deck. Above, less power amplifier, speakers, bass attenuator and accessories. 18⅝x13x7″. Shpg. wt., 27 lbs. *$13 Monthly* **249.95**

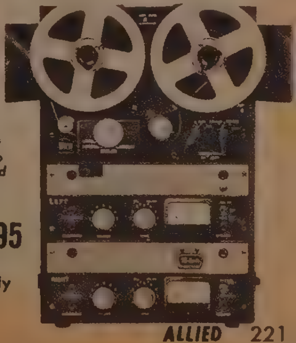
New Roberts 720 Professional-Type 3-Speed Portable

Wealth of Controls, Inputs, Outputs • Plays 2 and 4-Track Stereo
witch for Sound-with-Sound • 2-Speed Hysteresis-Synchronous Motor

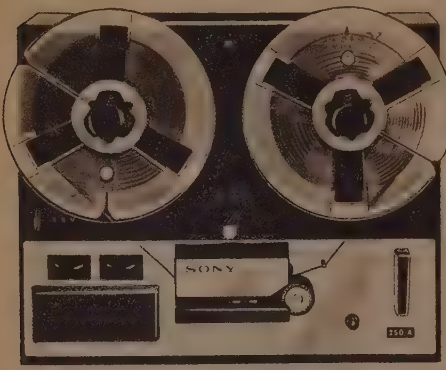
e who demand extraordinary taping quality and flexibility. Records
ys 4-track stereo and mono at 7½, 3¾ or 1⅞ ips. Rotary track-
assures perfect head alignment for maximum performance.
tic-shutoff turns off all electronics. Interlocking controls prevent
al erasure; provide instantaneous start, split-second acceleration.
tic end-of-reel shutoff, counter, pause/edit controls, two VU
record indicator light. Extended-range speakers; adjustable
g panels. 12-watt stereo amplifier. Inputs: mike, radio-phono.
: head, cathode-follower preamps, speaker, stereo. Overall record/
-22,000 cps at 7½ ips; 40-18,000 cps at 3¾ ips. F/W: under
t 7½ ips. S/N: 55 db. 20½x13¾x11″. With 2 mikes, 7″ reel of
keup reel. For 110-120 v., 60 cycle AC. 55 lbs. Express.
4 MZ. *$16 Monthly* **329.95**

Precision Instrument for Superb Record and Playback

$329⁹⁵
$16 monthly



Famous-Name 4-Track Stereo Recorders and Dec



$129.50
$7 monthly

SONY

With 2 Mikes
$299.50
$15 monthly

New 250A "Sterecorder" Solid-State Tape Deck

- Solid-State Record and Playback Preamps • Two VU Meters
- 4-Track Stereo/Monophonic • Automatic End-of-Reel Shutoff
- Operates Vertically or Horizontally • Includes Custom Base

Add stereo and monophonic tape playback, and recording, to your hi-fi system at surprisingly low cost. Boasts premium-quality solid-state circuitry for superb performance. Two professional VU meters indicate exact recording level. Automatic tape lifters prevent head-wear during fast-forward and fast-rewind. Easy-to-use single-knob function selector. 4-track heads. Runs at 7½ and 3¾ ips. Response: 50-15,000 cps at 7½ ips. Flutter/Wow: 0.15% at 7½ ips. Signal-to-Noise Ratio: 50 db or more. 11⅜x14½x6½". With walnut base. Less mikes. For 110-120 v., 60 cycle AC. From Japan. Shpg. wt., 23 lbs.
79 U 006 MU. *$7 Monthly*.............................**129.50**
79U046MX. Sony S-96L Dynamic Mike. Use 2 for stereo. 2 lbs. Ea. **10.50**

New 600 "Sterecorder" Deck with 3 H

- Many Sophisticated Features Like Sound-On
  (Multiple Sound-Track Recording), Tape Mo
- Magnetic Phono Input—Records Direct from P

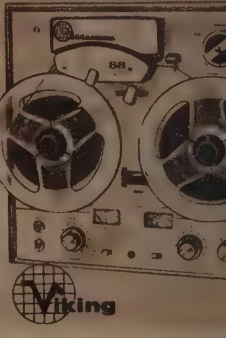
Professional features at moderate price. R stereo/mono 4-track tapes, plays them th your hi-fi system. Permits tape monitorin mike/line mixing, each with separate level co Two VU meters. Hysteresis-synchronous Balanced capstan flywheel—rim drive, no Automatic shutoff; pause control; counter. 7 3¾ ips. 30-18,000 cps at 7½ ips (±2 db, 50- cps). Flutter/Wow: under 0.17%. S/N: 50 more. 18¼x16⅜x9". With 2 mikes, case. Fo 120 v., 60 cycle AC. From Japan. 55 lbs.
79 U 164 MZ. *$15 Monthly*....................**29**

CONCERTONE

New
$468.47
$20 monthly
With Mikes!

New
$429.95
$19 monthly

$288.96
$15 monthly



808 "Reverse-O-Matic" Recorder

Versatile! *Six heads*, play or record 4-track stereo/mono tapes from start to finish, in either direction, automatically, *without reel turnover*. Detachable speakers (not illustrated) form cover. Built-in 7½-watt per channel amplifier. Solid-state preamps, 3 motors. Add sound, add echo. 30-18,000 cps at 7½ ips; 40-12,000 cps at 3¾ ips. Flutter/Wow: under 0.2% at 7½ ips. S/N: 50 db. 19¼x14¼x8⅝". With 2 mikes. For 110-120 v., 60-cycle AC. From Japan. 47 lbs.
79 U 160 MU. *$20 Monthly*..**468.47**

79 U 161 MU. 806 Deck. Above, less power amplifier, speakers, mikes. $14\frac{9}{16}$x13x$5\frac{7}{16}$". 40 lbs..............**424.97**

Roberts 770 Crossfield Recorder

Wide-range response even at 1⅞ ips . . . actually 40-13,000 cps! Response is 40-18,000 cps at 3¾ ips and 40-22,000 cps at 7½ ips. Exclusive Crossfield Head, with separate bias supply, lowers bass response one octave at all speeds. 4-track stereo and mono record/play, plus 2-track stereo play. Hysteresis motor. Sound on sound. Flutter/Wow: under 0.12% at 7½ ips. S/N: 55 db. 20½x13¾x11". With 2 dynamic mikes, speakers. For 105-125 v., 60 cy. AC. 54 lbs.
79 U 375 MU. *$19 Monthly*..**429.95**

79 U 163 MU. 1770D Deck. Above, less power amplifier, speakers, mikes. 34 lbs. *$18 Monthly*..............**379.95**

88-RMQ Stereo-Compact D

For the most discriminating lover. Records 4-track stere mono, plays back through your system. Three heads and indep playback preamps for tape m ing and sound-on-sound. Du meters, automatic stop switch counter, multiplex filter. ±3 d 18,000 cps at 7½ ips; 30-12,000 3¾ ips. Flutter/Wow: under 0. 7½ ips. S/N: 55 db. 13x13x6¼ base, mikes. 110-120 v., 60 cyc 25 lbs.
79 U 401 MU. *$15 Monthly*..**28**

79 U 397 MX. Walnut base. 10 lb

79 U 400 MX. Walnut Cabinet. Fu closes 88-RMQ. 20 lbs.......

Enjoy Tape Equipment Now, Use Your Allied Credit

rtable Voice-Actuated Monophonic Recorders

rders on this page offer unusual convenience and
y. Feature automatic voice *actuation:* sound activates
, and recorder stops a moment after sound stops.
s constant turning on and off. There's no wasted tape,
no long, silent passages, no annoying waiting during playback. Excellent for interviews or business use. All recorders are battery-powered for operation anywhere, indoors or outdoors. All include start-stop microphone for manual remote control.

New!
$99⁹⁵ $5 monthly

NASONIC RQ-116 Solid-State Unit
4 Tracks Plays 2 Hours on 3¼″ Reel

ou talk, it listens—clearly records every word with-
No wasted tape when you pause, recorder auto-
y pauses too. Amazingly compact, yet 4 tracks
twice as much recording time as 2-track recorder
me 3¼″ reel capacity. All transistor—starts in-
low heat, extra-long battery life. VU meter
s recording level and battery condition. Tone and
ward controls. Recordings may be monitored
speaker. Capstan drive: 3¾ and 1⅞ ips. 6
ors, diode, and thermistor. Operates off 12 standard
penlight batteries (included). Size, 7¾x7¼x2½″.
mote-control on-off mike. From Japan. Shpg. wt.,

6 MX. *$5 Monthly.* **99.95**
0. Extra Batteries. 10 oz.............**Pkg. of 2 for 20¢**

5A Battery-Powered Portable Recorder
ith Attachable AC Amplifier/Charger

portable featuring "Voice Command." Starts re-
when you speak, pauses when you pause. Auto-
ly sets recording level as your voice becomes louder
r for uniform, undistorted tapes. Detachable top
a self-contained battery-powered portable that
and plays back. Bottom half houses an AC-
l amplifier with a larger speaker, plus a battery
(for 110-120 v., 60 cycles). Play tapes through the
plifier for better tonal quality and to simultaneously
e batteries in portable unit. Capstan-driven at 3¾
ips. Monitor output, plus output for an external
. Takes 3¼″ reels. With start-stop mike, rechargea-
teries, leather carrying case for top half. Overall,
x6½″. From Japan. 41 lbs.
7 MU. *$7 Monthly*.........................**129.50**

del 330 Records Up to 6 Hours on 5″ Reel
Automatically Threads Its Takeup Reel

when mike picks up sound, pauses when sound stops.
t any chosen point by use of sensing tape (included).
s up to 6 hours on 5″ reel at 1⅞ ips. Also runs at
Fast-forward control. Record-level/battery meter.
atically advances slides on many remote-control
ors; syncs sound with movie projectors. Runs on
h adapter, below. 3¾x12x8¾″. With remote-con-
-off mike, leather pouch, earphone, takeup reel,
ojector plug. Less batteries. From Japan.
4 MX. 15 lbs. *$7 Monthly*...................**129.50**
1 M. 110-120 v. AC Adapter. 2 lbs..............**14.95**
8. "D" Batteries. (Uses 6.) 5 oz.....**Pkg. of 4 for 64¢**

New!
$79⁹⁵ $5 monthly

ISCO Model CVA-5001 . . . Features 2 Motors, Mixing Facilities, plus Accessories

Our lowest cost voice-actuated recorder! Makes tapes with exceptional tonal quality and clarity. Operates up to 3 hours on a 5″ reel of 1-mil tape (both tracks). Tone control. Microphone input and radio/TV input may be simultaneously mixed for special effects. Capstan drive for constant 3¾ and 1⅞ ips speeds. Mike has start-stop switch. Tape monitoring through earphone. 2½x4″ speaker. All controls accessible with cover on, for outdoor use. 4³⁄₁₆x11¼x8⅞″. With mike, batteries, 5″ takeup, earphone, patch cord, telephone pickup, reel of tape. Japan. 11 lbs.

79 U 154 MX. *$5 Monthly*............................**79.95**
79 U 118M. 110-120 v. AC Adapter. 3 lbs...............**7.95**
55 U 868. Extra Batteries. (Uses 4.) 8 oz....**Pkg. of 4 for 64¢**

$129⁵⁰

Top is Record-Play Portable; Bottom is Combo Amp., Speaker, Battery Charger

A

CONCORD

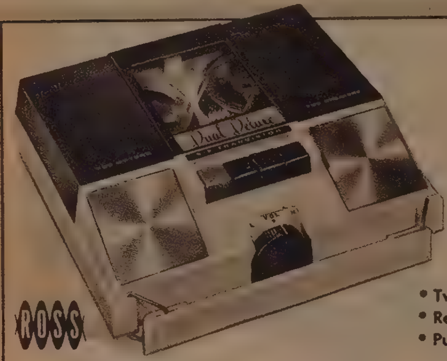
Our Most Versatile Voice-Actuated Recorder!

$129⁵⁰
$7 monthly

B

Battery-Powered Recorders Everyone Can Affo

Specially selected values bring you all the convenience of a tape recorder without a large investment. If you require a recorder primarily for voice reproduction, you'll find these compact units extremely practical. Powered by low-cost batteries—record or playback tapes indoors or out. Trouble free rim-drive systems.



New

$\$24^{88}$

$5 monthly

Separate Motors for Record/Play and Rewind

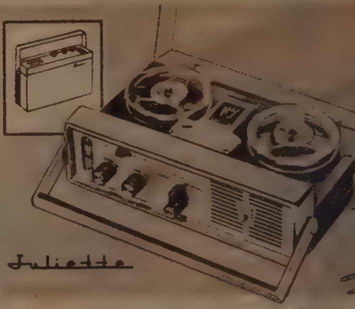
- Two Speakers!
- Remote-Control Mike
- Pushbutton Controls

Ross Mark 85 . . Our Best Low-Cost Recorder

- Handy Pushbutton Controls plus Remote-Control Start-Stop Mike
- Adjustable Speed
- Plays 30 Minutes
- Tape Reel Scale

Incorporates many extras not normally found on such an inexpensive recorder. Convenient control lets you adjust speed ±20% to compensate for battery wear. Plays 30 minutes using both tracks of 3¼" reel of 1-mil tape. Two 2¼" dynamic speakers assure good voice quality. Earphone jack permits private listening. Scale indicates amount of tape remaining. 6 transistors, plus thermistor. 8½x8x2½". With mike, earphone, batteries (one 9-volt, 2 "C"), 3¼" reel of tape, takeup reel. Not for music. From Japan. 7 lbs.

79 U 159 MX. *$5 Monthly*........................ **24.88**
55 U 650. Extra 9-Volt Battery. Uses 1. Wt., 4 oz...........**Each 48¢**
55 U 865. Extra "C" Batteries. Uses 2. Wt., 4 oz. ...**Pkg. of 2 for 26¢**



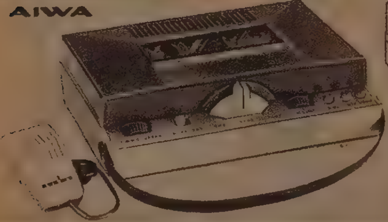
5-Transistor Juliette LT555

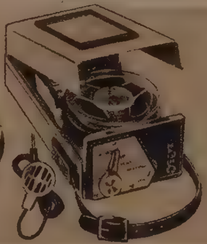
$\$19^{95}$

- Features Remote-Control M
- Adjustable Speed

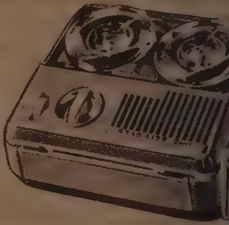
A smart-looking recorder for note taking ness use, and family fun. Includes remo trol microphone, a flick of a switch mike starts or stops recorder. Speed adjusts for battery wear. Earphone ja private listening. Records up to 30 minu both tracks of 3", 300-ft. reel. Has sp volume control, record-play switch, fo stop-rewind switch, folding handle. 2¾x8¾x6½". With mike, earphone, ba (4 "C"), takeup reel. Not for music. Japan. Shpg. wt., 6 lbs.

79 U 353 MX. *$5 Monthly*..............
55 U 865. Extra "C" Batteries. Uses 4. wt., 4 oz....................**Pkg. of 2**





Ultra Compact Size!



4-Transistor Aiwa TP-31

$\$17^{95}$

- Remote-Control Mike
- Speed is Variable
- Handsome Styling

Mike has built-in switch for turning recorder on or off remotely. Control adjusts speed to compensate for battery wear. Built-in speaker; earphone jack for monitoring and private listening. Record switch, rewind-stop-play switch, volume control. 2¼x6½x9". With carrying strap, mike, earphone, batteries (2 "C" batteries, one 9-volt battery), cover, 3" reel of tape, takeup reel. Not recommended for music. From Japan. Wt., 3 lbs.

79 U 158 MX................**17.95**
55 U 650. 9 v. Battery. 4 oz.....**Ea. 48¢**
55 U 865 "C" Batts. 4 oz.....**2 for 26¢**

4-Transistor Juliette

$\$16^{95}$

- Small-Size Wonder
- Plays 24 Minutes
- Earphone Jack

Our smallest recorder, it's only 7x3½x2½". Perfect for on-the-go taping, the ultimate in easy-to-tote portables. Permits up to 24 minutes of playing time on both tracks of a 3" reel. Has built-in speaker, earphone jack, for private listening, folding carrying handle, and convenient snap-on cover. With microphone, earphone, batteries (one 9-v., 2 "C"), 3" reel of tape, takeup reel. Not recommended for music. From Japan. Wt., 2½ lbs.

79 U 351 MX..............**16.95**
55 U 650. 9-v. Battery. 4 oz...**Ea. 48¢**
55 U 865. "C" Batts. 4 oz....**2 for 26¢**

4-Transistor Star-Lite

$\$13^{95}$

- Amazing Low F
- Start-Stop Mik
- Crisp, Clear So

Outstanding value—now everyo afford his own tape recorder. F -control mike has switch th you start or stop recorder. Pl to 22 minutes on both tracks o 300-ft. reel. Single control for stop, play, record. Has thum volume control and speaker. 2½". With microphone and ba (uses one 9-volt and 3 "C" bat 3" reel of tape, takeup reel. music. From Japan. 3 lbs.

79 U 350 MX.....................
55 U 650. 9-v. Battery. 4 oz.....
55 U 865. "C" Batts. 4 oz.....2

No Need to Wait, Get a Recorder Now with Your Allied Credit

cotch Recording Tape, Accessories

111 Standard 1½-Mil Acetate Tape

al-purpose tape. Molded plastic reels, except *NAB-luminum with 3″ center hole. Av. wt., 8 oz.

No.	Type	Footage	Reel	1-11, EA.	12-Up, EA.
542	111-1.5	150′	3″	.46	.41
547	111-6	600′	5″	1.47	1.32
548	111-12	1200′	7″	2.29	2.06
549	111-25R*	2500′	10½″	7.06	6.35

120-12 High-Output 1½-Mil Acetate Tape

igher output than standard tapes. Greater dynamic and freedom from distortion on signal peaks. 1200 On plastic 7″ reel. Shpg. wt., 12 oz.

54. 12-Up....Each 2.06 1-11............Each 2.29

131 Low-Print 1½-Mil Acetate Tape

igher signal-to-print ratio than conventional tapes. coating of .40 mil protects tapes from layer-to-layer during long storage. *NAB reel. Av. wt., 12 oz.

No.	Type	Footage	Reel	1-11, EA.	12-Up, EA.
534	131-12	1200′	7″	2.88	2.59
540	131-25R*	2500′	10½″	7.98	7.17

190 Extra-Length 1-Mil Acetate Tape

ore time, at an economy price. Plastic reels, except aluminum reel with 3″ center hole. Av., 12 oz.

50	190-9	900′	5″	2.29	2.06
52	190-18	1800′	7″	3.60	3.23
53	190-36RO*	3600′	10½″	8.40	7.56

150 Extra-Length 1-Mil Polyester Tape

ore time plus extra-strong base. Plastic reels, except aluminum with 3″ center hole. Av. wt., 12 oz.

31	150-9	900′	5″	2.35	2.12
32	150-18	1800′	7″	4.04	3.65
33	150-36RO*	3600′	10½″	9.41	8.47

Double-Length ½-Mil Polyester Tensilized

more time. Super-strong and stretch-resistant. reels. Av. shpg. wt., 12 oz.

00	200-12	1200′	5″	3.56	3.21
41	200-24	2400′	7″	6.20	5.58

1-16 H.D. Lubricated 1-Mil Polyester Tape

duty for continuous-loop cartridges. Externally lu-d backing. Black oxide. 1600′. 7″ reel, 10 oz.

1. 12-Up....Each 6.01 1-11............Each 6.68

175 Heavy-Duty 1½-Mil "Tenzar"

s same wear-resistant, high potency oxide coating more critical recording applications. Resists heat, es oxide rub-off despite continuous use. Won't in storage or absorb moisture; won't pop or tear if ecome nicked. Lasts at least 15 times longer than y tapes. 5″ reels are 600′; 7″ reels, 1200′. 10 oz.

lear	Red	Blue	Green	Yellow	EACH	
					1-11	12-Up
J 527	80 U 506	80 U 509	80 U 517	80 U 518	1.60	1.44
J 528	80 U 520	80 U 522	80 U 523	80 U 525	2.50	2.25

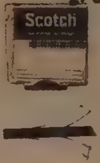
w 201-202-203 "Dynarange" Series Tape

Choice of professionals. Sensitive—lets you use slower speeds without fidelity loss. 15% longer life; low-noise level; good hi-frequency response and low-rub-off. Superior signal/noise ratio ideal for transcribing. Av. shpg. wt., 1 lb.

Type	Base	Footage	1-11, EA.	12-Up, EA.
201-6	1½-mil Acetate	600′	1.83	1.65
201-12	1½-mil Acetate	1200′	2.87	2.59
202-6	1½-mil Polyester	600′	1.86	1.68
202-12	1½-mil Polyester	1200′	3.33	3.00
203-9	1-mil Polyester	900′	2.77	2.50
203-18	1-mil Polyester	1800′	4.82	4.32

Silicone Lubricated

270 (M-2) Tape Cartridge



Designed for 3M-Revere cartridge system. 560′; 64 minutes. 3 oz.

80 U 311. 1-11....Ea. 3.99
12-Up............Each 3.79

Type 282 "Sandwich" Tape

Protective Layer Hi-Potency Oxide with 1½-mil Polyester Backing

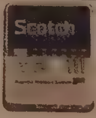
Microthin plastic shield over oxide coating eliminates rub off. Wears up to *30 times longer*. Reduces recorder maintenance, head wear. 5″ reel, 600′; 7″, 1200′. 10 oz.

Size	Reel Color					EACH	
	Clear	Red	Blue	Green	Yellow	1-11	12-U
5″	80 U 578	80 U 579	80 U 580	80 U 581	80 U 582	2.03	1.82
7″	80 U 583	80 U 586	80 U 587	80 U 589	80 U 590	3.23	2.91

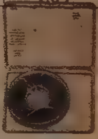
290 Triple-Length ½-Mil Polyester Tensilized Tape

Extra-thin, stretch and break resistant, tensilized tape for maximum time per reel. 7″ play 3 hrs. stereo at 7½ ips. Shpg. wt., 5″ reel, 8 oz.; 7″ reel, 1½ lbs.

Stock No.	Type	Footage	Reel	1-11, EA.	12-Up, EA.
80 U 304	290-18	1800′	5″	4.54	4.07
80 U 545	290-36	3600′	7″	7.81	7.03



"Living Letters" Mailer with Reel of Tape



Address, apply postage and mail. Plastic mailer meets Postal Regulations. Hinge and snap-closer. *Tensilized. 4 oz.

Stock No.	Mfr's Type	Base	Footage	EACH	
				1-11	12-Up
80 U 300	111-¼-1.5-LL	1½-mil Acetate	150′	.67	.57
80 U 301	200-¼-3-LL	½-mil Polyester*	300′	1.25	1.19
80 U 302	290-¼-6-LL	½-mil Polyester*	600′	1.99	1.89
80 U 303	MT-MAILER-LL	Mailer w/empty 3″ reel		.31	.30

80 U 501. #11 Address Labels..............................10 for .49

Type PRST-7 Self-Threading Tape-Reel

Eliminates tedious reel threading. 7″ clear plastic, self-threading reel speeds up tape changing. Just place tape end on reel hub and let your tape recorder do the rest. Shpg. wt., 8 oz.

80 U 014. 12 Up..........................Ea. .88
1-11..................................Ea. .98

Empty Plastic Reels with Index Box

Standard reels in most frequently used sizes. Av. wt., 4 oz.

Stock No.	Reel Size	1-11, EACH	12-Up, EACH
80 U 559	3″	.17	.15
80 U 558	5″	.44	.39
80 U 556	7″	.50	.45

Taping Accessories

TYPE 24 LEADERS & TIMING TAPE. 100′. 80 U 569 is white; 80 U 568, yellow. Dispenser pkg. 3 oz.

80 U 569. 12-Up..........Each .53 1-11..........Each .59
80 U 568. 12-Up..........Each .53 1-11..........Each .59

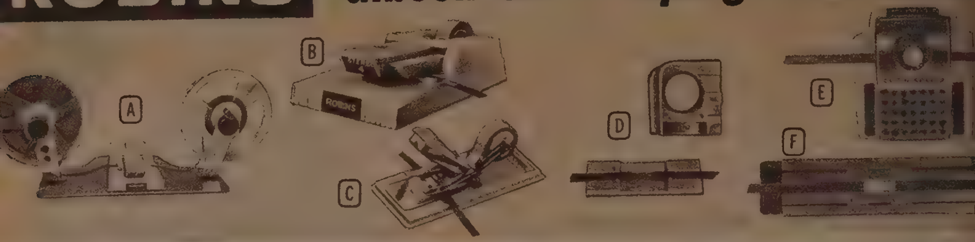
TYPE 21-10. LEADER TAPE. White. 1000′. 7″ reel. 8 oz.

80 U 546. 12-Up........Each 2.70 1-11........Each 3.00

80 U 557. 41½-S SPLICING TAPE. Non-run adhesive on one side. ½x150″. Dispenser pkg. 3 oz.................Each .34

80 U 577. 51-7/32-S ALUMINIZED SENSING TAPE. For recorders with automatic "stop" and "reverse" controls. Adhesive on one side, foil on other. 150″ reel. In handy dispenser package. Shpg. wt., 3 oz......................Each 1.89

ROBINS Gibson Girl® Taping Accessorie



A **TK-9 TAPE EDITING WORKSHOP.** Designed for easy, accurate splicing and editing of recording tapes. Handles reels up to 7". Consists of 2 tape winders and Deluxe "Stereo 4" Splicer with tape, sturdy base. 5½x12x6¼". Wt., 2 lbs.
80 U 348.................... **14.40**

B **TS-8D DELUXE "STEREO 4."** Splices 4-track stereo and mono tapes. Cuts tape diagonally, with tiny side trim. "See-thru" windows show operating positions. Replaceable cutter. Blade centering adjustment. Of super-strong "Implex." Has integral tape dispenser. With 100" roll ½" splicing tape, instructions. 1 lb.
80 U 142.................... **7.65**

C **TS-4S STANDARD "STEREO 4."** Same features as TS-8D Splicer, but without "See-thru" windows. Made of electro-plated steel with plastic base and knob. Integral tape dispenser with 100" roll of ⅜" splicing tape. Shpg. wt., 12 oz.
80 U 192.................... **5.70**

TS-4J JUNIOR "STEREO 4." Same as TS-4S, less tape dispenser and tape.
80 U 195. Wt., 8 oz.............. **4.35**

80 U 200. RK-3. Replacement cutter, 2 cutting pads. For TS-4S, TS-4J Splicers. Shpg. wt., 3 oz.......... **90¢**

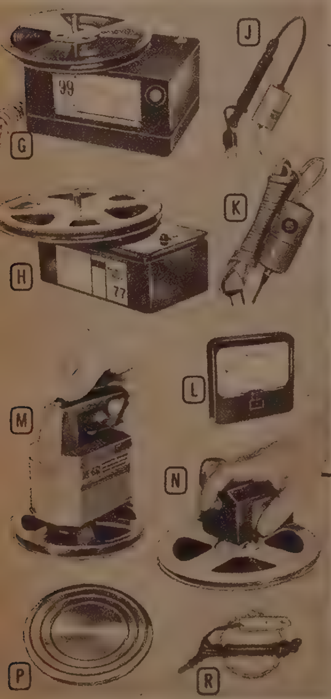
80 U 190. RK-8. Replacement cutter and 2 cutting pads. For TS-8D Splicer. Shpg. wt., 3 oz.................. **90¢**

D **SP-4 "SEMI-PRO."** Adhesive ba splicer can be attached to recor Hand-held diagonal cutter, b cover. "Gibson Girl" trim.
80 U 150. Wt., 3 oz.............. **1**

E **TS-6 DELUXE CUT-N-SPLICE.** Eas use splicer has dual control b for cutting tapes at 40° or 90°. self-stick easily applied patches included. Patches are stored in ha slide-out tray built into splicer b Shpg. wt., 5 oz.
80 U 349.................... **3**

F **TS-5 CUT-N-SPLICE.** Metal block guide, cutting groove for hand blade. Built-in tray holds 25 pat blade, supplied.
80 U 350. Wt., 5 oz.............. **1**

Bulk Erasers, Demagnetizers, and Recording Aids



G **ME-99 PROFESSIONAL BULK ERASER.** Magnetic bulk tape eraser reduces background noise level on recorded tape, 3 to 6 db below normal erase-head level. Erases entire reel of tape in seconds. Also ideal for erasing sound from magnetic stripped 8 and 16mm films with plastic or metal reels. For reels up to 10½" dia. x ½" wide. Size, 5¼x6¾x3¾". For operation from 110-120 v., 50-60 cycle AC. U.L. Listed. Wt., 8½ lbs.
80 U 114.................... **26.00**

H **ME-77 DELUXE BULK ERASER.** For reels up to 7" dia. x ¼". Erasure 2 to 4 db below erase-head level. 2⅜x3¾x6¼". For 110-120 v., 50-60 cycle AC. Wt., 5 lbs.
80 U 130.................... **14.70**

J **HD-3 LOW-COST DEMAGNETIZER.** Tape head demagnetizer for all model recorders. Low-cost version of Model HD-6, described below. Size, 3½x1¼" diameter. For 110-120 v., 60 cycle AC. Shpg. wt., 8 oz.
80 U 127.................... **3.60**

K **HD-6 DELUXE DEMAGNETIZER.** A must for recorder owners who demand peak performance. Heavy-duty demagnetizer removes residual magnetism from tape heads for optimum signal-to-noise ratio. Also "cleans" recorder parts, such as tape guides and rollers, to minimize drop-outs on tape. 4⅝x1¼" dia. For 110-120 v., 60 cycle AC. U.L. Listed. Wt., 1 lb.
80 U 154.................... **6.00**

L **VU-100 4½" VU METER.** Elimi guesswork when setting recor levels. Reads 0-100% modula −20 to +3 db. Dual impedance in Sensitivity, 200 μa, with shunts 1.2 and 12 v. "zero" VU refer level. Mounts in 2¾" dia. hole. deep. Shpg. wt., 1 lb.
80 U 125.................... **19**

M **ME-66 STANDARD MODEL ERASER.** Hand-held unit has mentary contact (on-off) switc handle. Erases entire reel of ta seconds, without rewinding, when is moved over each side of reel. ¼" tape, any size reel. 4x2½x For 110-120 v., 50-60 cycle AC. S wt., 4 lbs.
80 U 351.................... **12**

N **ME-55 ECONOMY MODEL ER** Compact, hand-held unit qu erases tape when moved over side of reel. For ¼" tape, any size 4½x2⅜x2". For 110-120 v., cycle AC. Shpg. wt., 4 lbs.
80 U 212....................

P **TAPE STORAGE CANS.** Metal, e el finished. Ribs on cans ne stacking.
80 U 207. TC-7. 7" can. 8 oz.....
80 U 208. TC-5. 5" can. 6 oz.....

R **TK-5 TAPE STROBE KIT.** Lets check speed, flutter and wow 7½ and 3¾ ips recorders. Wit structions. For 110-120 v., 60 AC. Wt., ½ lb.
80 U 128....................

Informative Books About Tape Recorder Care and Recording Hints

80 U 167E. TE-96 "What You Should Know about Your Tape Recorder." Trouble-shooting guide, terms, uses, etc. Illus. 96 pages. Wt., 4 oz.......... **60¢**

80 U 352E. TE-127 "Tape Recording the Sounds of Your Life." How to make creative sound your hobby. With illustrations. 128 pages. Wt., 6 oz..... **81¢**

80 U 353E. TE-129 "How to Get the Out of Your Tape Recorder." U recorders; adding sound to slides; clubs, etc. Illus. 128 pp. 6 o

Use Your Allied Credit Fund to Get Recording Access

Home and Professional Use

ROBINS

B
TAPE KARE KIT
ROBINS
C
D
E
TAPE JOCKEY CLOTH
F

3 TELE-TAPE BEEPER INDUCTOR. nsistorized, battery operated and pick-up coil. Injects 1 kc into phone lines and recorder second intervals. Fastens to with spring. 6-ft. cables; on-off Less battery, below. 5x2x1½″. wt., 1 lb.
10..........................**18.00**
05. Battery for Above.......1.23

TELE-TAPE PICK-UP COIL. Con- to phone by positive spring 6-ft. cable. Wt., 6 oz.
11..........................**3.60**

LOW-COST PHONE PICK-UP. s to phone by suction cup. With ble. Wt., 6 oz.
54..........................**1.80**

TAPE HEAD CLEANER AND E KIT. Contains two 2-oz. bottles l Cleaner and Head and Guide ant. Wt., 6 oz.
31..........................**1.20**

C **HC-5 "TAPE CLEAN."** 5″ reel of chemically treated cloth tape. Cleans and lubes heads, guides. Threads like recording tape. 6 oz.
80 U 205..........................**1.65**

D **TK-2 TAPE KARE KIT.** Contains 2-oz. bottle Head Cleaner, and Tape Jockey Cloth. Wt., 6 oz.
80 U 355..........................**1.14**

E **TK-7 TAPE KARE KIT.** 2-oz. bottles: Head Cleaner, Head and Guide Lubricant, Tape and Phono Drive Oil, and Non-Slip for tape and phono drives; 50 swabs. Wt., 1½ lbs.
80 U 214..........................**2.25**

TK-4STD ECONOMY TAPE ACCESSORY KIT. Contains: TS-4S Standard "Stereo 4" Splicer; ⅜″ Splicing Tape; Tape Threader; Head Cleaner; Tape Jockey Cloth; Tape Clips; Title Labels; and Tape Editing and Splicing Booklet. Shpg. wt., 1½ lbs.
80 U 377..........................**8.10**

F **TK-8DLX DELUXE TAPE ACCESSORY KIT.** Everything the home recordist needs to get longer and better service from his tape equipment. Contains: TS-8D Deluxe "Stereo 4" Splicer; roll of ½″ Splicing Tape; Tape Threader; Head Cleaner; Head Lubricant; Tape Jockey Cloth; Tape Clips; Reel Title Labels; Reel Holders; and Tape Editing and Splicing Booklet. Shpg. wt., 1½ lbs.
80 U 169X..........................**10.05**

AVK-1 PROFESSIONAL TAPE ACCESSORY KIT. Suitable for language labs, recording studios, audio-visual dept., and serious home recordists. Includes: TS-8D Deluxe "Stereo 4" Splicer; 6 rolls ½″ Splicing Tape; Tape Threader; Tape Jockey Cloth; Head Cleaner; Lubricant; 24 Tape Clips; 150 Reel Title Labels; Tape Strobe and Light Kit; ME-99 Bulk Eraser; Deluxe Demagnetizer. 14 lbs.
80 U 213 X..........................**46.80**

Accessories for More Convenient Editing, Storage and Recorder Care

TY PLASTIC REELS. Boxed reels opular sizes. †Low-torque. Av. r package, 2 lbs.

o.	Type	Size	Pkg.	PER PKG.
6	TR20-6	2″	6	59¢
7	TR25-6	2½″	6	
8	TR30-6	3″	6	
9	TR32-4	3¼″	4	
0	TR40-4	4″	4	59¢
1	TR50-2	5″	2	
2	TR70-2	7″	2	
3	TR-74	7″†	1	

CING TAPE. "Mylar." 2 oz.

o.	Type	Width	Lgth.	EACH
4	TST-235	¼″	300″	59¢
5	TST-376	⅜″	275″	
6	TST-501	½″	250″	
7	TST-751	¾″	150″	
8	TST-233	Self-stick Patches Pkg. of 75		59¢

EADER TAPE. 1½-mil "Mylar." ′ on 2½″ reel. 4 oz.
9..........................**59¢**

TAPE THREADER. Makes it easy aread tape on reels. Just turn thread. 2 oz.
..........................**59¢**

TAPE JOCKEY CLOTH. Cleans silicone lubricates. Washable. . Wt., 3 oz.
2..........................**Per Pkg. 59¢**

REEL HOLDERS. Holds take-up feed reels in place. Deters reel Pkg. of 2. 2 oz.
2..........................**Per Pkg. 59¢**

TAPE HEAD CLEANER. 2-oz. e with applicator. 4 oz.
3..........................**59¢**

N **RC-2-22 TAPE HEAD AND GUIDE LUBRICANT.** 2-oz. bottle with applicator. Wt., 4 oz.
80 U 206..........................**59¢**

P **TRN-2 REEL-NEET PLASTIC REEL HOLDERS.** Store reels upright. Protects reels from warping. With 2 Tape Log Discs. Pkg. of 2. 6 oz.
80 U 370..........................**Per Pkg. 59¢**

R **TPP-1 REPLACEMENT PRESSURE PADS.** Assortment of 44 pre-cut and two U-Cut-It felt pads to fit most recorders. Shpg. wt., 2 oz.
80 U 209..........................**Per Pkg. 59¢**

TPP-2 SELF-STICK PRESSURE PADS. As above, but adhesive backed. 3 oz.
80 U 371..........................**Per Pkg. 59¢**

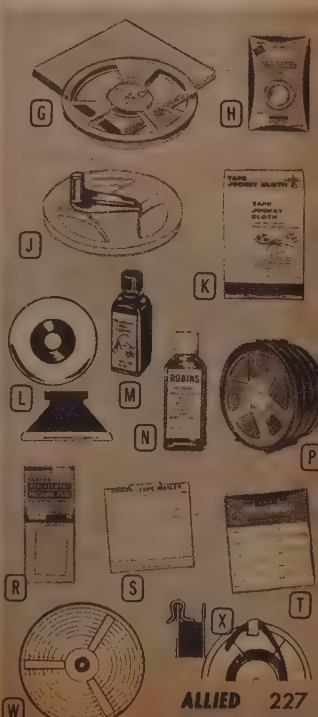
MSW-150 SWABBIES. 6″ long cotton-tipped applicators. Use with cleaners, etc. Pkg. of 150. 6 oz.
80 U 372..........................**Per Pkg. 59¢**

S **TB3-12 TAPE MAILING BOXES.** 12 boxes for reels up to 3″ dia. For tape correspondence. 4 oz.
80 U 373..........................**Per Pkg. 59¢**

T **TL-150 TITLE LABELS.** Pressure sensitive. Write or type on them. 2x½″. Pkg. of 150. Wt., 6 oz.
80 U 374..........................**Per Pkg. 59¢**

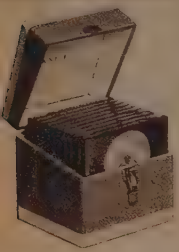
W **TLD-15 TAPE LOG DISCS.** Easy indexing of tapes. Fits 7″ dia. reels. Pin-points selections. Pkg. of 15. Shpg. wt., 4 oz.
80 U 375..........................**Per Pkg. 59¢**

X **TC-75 TAPE CLIPS.** Keeps tape from unwinding. Plastic, reusable. 75 clips in handy plastic container. Shpg. wt., 8 oz.
80 U 376..........................**Per Box 59¢**



KNIGHT® Top Values in Magnetic Tap

RECORDING TAPE



Exclusive ALLIED Offer

Buy 10 reels of Knight KN-15 or KN-30 Tape, and get this deluxe, hinged-top wood Carrying Case (described below) at substantial savings.

KNIGHT
KN 15
RECORDING TAPE
KNIGHT
KN 30
RECORDING TAPE
A
B

As Low As **90¢** 5-lot price

As Low As **$1.89** 5-lot price

A KN-15 Standard 1½-Mil Acetate Tape

- Same High-Grade Tape Used by Major Recording Studios
- Each Reel Guaranteed Splice-Free for Uniform Quality
- Made in U.S. Under Exacting Quality-Control Standards

Comparable in quality to any brand of 1½-mil acetate-base tape. Coated with purest red-oxide for finest results. Deep-lubricated to prolong the life of tape heads. In cellophane-sealed, hinged-box. Guaranteed splice-free.

Stock No.	Feet	Reel	Lbs.	1-4, EACH	5-Up, EACH
80 U 951	600	5″	½	.99	.90
80 U 952	1200	7″	1	1.59	1.49

10 7-in. Reels of KN-15 with Case

Save $2.00. 12,000 ft. of KN-15 (ten 7″ reels) in deluxe wood carrying case. Shpg. wt., 14 lbs.
80 U 968. .... **18.85**

80 U 057. Carrying Case Only. Blue and white leatherette over wood. 8x8x8″. Shpg. wt., 3 lbs. **5.95**

B KN-30 "Plus Play" 1-Mil Acetate Tap

- Get Up to 12¾ Hours Recording Time on One 7″ Ree
- Double-Inspected to Ensure Required Uniformity Throu
- Offers Big Savings • Saves Reel-Changing and Spac

One of the most popular recording tapes available t Much thinner than standard tape, KN-30 "Plus gives you 50% more recording time per 7″ reel. Yo make uninterrupted recordings of entire concerts, lec conferences or broadcasts. Special red-oxide coating mizes tape head wear. 1800 ft. on 7″ reel. In hinged cellophane-sealed. 1¼ lbs.
80 U 954. 1-4 .... Each
5-Up .... Eac

10 Reels of KN-30 with Case

Save $2.00. 18,000 ft. of "Plus Play" 1-mil acetate in deluxe wood carrying case. 16 lbs.
80 U 969. *$5 Monthly* 2

$18.95

C Professional Tape Care Kit

Keeps your recorder and tape "like new" longer. Individual items purchased sepa would cost $23.05. Complete kit includes: f reels (6000 ft.) KN-12 1½-mil "Mylar" tape head demagnetizer; 150′ leader tape; "G Girl" tape splicer; 100″ splicing tape; 24 booklet on editing and splicing; tape thr 2-oz bottle head cleaner; 2-oz. bottle lubr silicone-treated cloth; 30 identification labe tape clips. Wt., 8 lbs.
80 U 064. 1

$9.95

D Low-Cost Tape Accessory Kit

All the essentials for keeping your taping ment in tip-top condition. All items purc separately cost $11.94. Complete kit inc three 7″ reels (3600 ft.) KN-12 1½-mil "M tape; 150′ leader tape; tape splicer; 100″ s tape; 24-page booklet on tape editing; threader; 2-oz. bottle head cleaner; 30 labe tape clips. Wt., 6 lbs.
80 U 061. ....

Knight Recording Tape Is Guaranteed Splice

r Every Use..Available Exclusively at Allied

SAVE ON SPECIAL CARRYING CASE OFFERS

KNIGHT
KN50
RECORDING TAPE

A

KNIGHT
KN60
RECORDING TAPE
100% MORE PLAYING TIME
TENSILIZED MYLAR

B

Exclusive ALLIED Offer

Get this sturdy, hinged-top wood Carrying Case (described on preceding page) at big savings when you buy 10 reels of KN-50 or KN-60 Tape.

$1.56 5-lot price

As Low As $4.40 5-lot price

A KN-50 "Plus Play" 1-Mil "Mylar"

es Longer Recording Time • "Break-Resistant" Base
xide Coating for Top Performance and Less Head-Wear
-Free, Every Reel Is One Continuous Length

hoice of professionals. Outperforms tapes costing much, and records 50% more than standard tape. 'Mylar" base is moisture and heat-resistant. Deep ion protects heads; treated surface gives top sensi- Tensile strength meets government specs. In cello- ealed hinged box.

No.	Feet	Reel	Lbs.	1-4, EACH	5-Up, EACH
55	900	5"	¾	1.69	1.56
56	1800	7"	1½	2.49	2.25

0 7-in. Reels of KN-50 with Case

.60. 18,000 ft. of KN-50 "Plus Play" 1-mil "My- deluxe wood carrying case. 14 lbs.
0. *$5 Monthly* **26.85**

N-10 3-in. Reel of ½-Mil "Mylar"

r correspondence. Doubles re- time of miniature portables. eel of ½-mil "Mylar" lets you or half-hour at 3¾ ips. In self- carton. 8 oz.
8. 1-9. . . . . Each **69¢**
ore. . . . . Each **63¢**
L, 600-FT. ½-mil, as above. In ling carton. 8 oz.
7. 1-9. . . . . Each **1.20**
ore. . . . . Each **1.09**

KNIGHT
KN 10

Supplied with Self-Mailer

QUICK GUIDE TO TAPE PLAYING TIMES

Reel Size	Tape Footage	½-TRACK (2-Track Mono, 4-Track Stereo)—Total Time Both Tracks SPEED (INCHES PER SECOND) 1⅞	3¾	7½	QUARTER-TRACK 4-Track Mono—Total Time 4 Tracks SPEED (INCHES PER SECOND) 1⅞	3¾	7½
3"	150	½ hr.	15 min.	7½ min.	1 hr.	½ hr.	15 min.
4"	300	1 hr.	½ hr.	15 min.	2 hrs.	1 hr.	½ hr.
5"	600	2 hrs.	1 hr.	½ hr.	4 hrs.	2 hrs.	1 hr.
7"	1200	4 hrs.	2 hrs.	1 hr.	8 hrs.	4 hrs.	2 hrs.
5"	900	3 hrs.	1½ hrs.	45 min.	6 hrs.	3 hrs.	1½ hrs.
7"	1800	6 hrs.	3 hrs.	1½ hrs.	12 hrs.	6 hrs.	3 hrs.
3"	300	1 hr.	½ hr.	15 min.	2 hrs.	1 hr.	½ hr.
5"	1200	4 hrs.	2 hrs.	1 hr.	8 hrs.	4 hrs.	2 hrs.
7"	2400	8 hrs.	4 hrs.	2 hrs.	16 hrs.	8 hrs.	4 hrs.

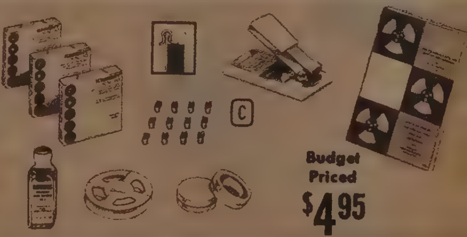
B KN-60 ½-Mil Tensilized "Mylar" Tape

- Doubles Your Recording Time, Minimizes Reel-Changing
- "Tensilizing" Makes Tape Stretch- and Break-Resistant
- Deep Lubricated • Polishing Process Prevents Rub-Off

For the recordist who desires the finest in sound quality. Ultra-thin ½-mil design doubles your recording time. "Mylar" base with "Tensilized" strength gives tape greatest resistance to breakage, heat and humidity. Unique polishing process removes microscopic irregularities from tape. 2400 ft. on 7" reel. Hinged box, sealed in cellophane. Shpg. wt., 1½ lbs.
80 U 957. 1-4. . . . . Each **4.95**
5-Up . . . . Each **4.40**

10 Reels of KN-60 with Case

Save $4.95. 24,000 ft. of extra-long play KN-60 ½-mil tensilized "Mylar" in wood case. 8 lbs.
80 U 063. *$5 Monthly* **45.00**



C

Budget Priced $4.95

C Taping Kit for Miniature Recorders

Handy accessory package, selected especially for the care of miniature portable recorders. Items purchased separately cost $5.49. The complete kit includes: three 300-foot reels of KN-10 ½-mil "Mylar" tape (described at left); empty 3" take-up reel; tape splicer (makes "Gibson Girl" cut); 12 tape clips to prevent tapes from unwinding; 2-oz. bottle of tape head cleaner; 100" splicing tape; informative booklet on tape editing and splicing. Shpg. wt., 5 lbs.
80 U 056. . . . . **4.95**

KNIGHT
RECORDING TAPE

"Special Formula" Tape
MEETS HIGH STANDARDS AT LOW PRICES

"Special Formula" Tape is available only from Allied. Made to higher standards than many higher-priced tapes, its low cost offers extra hours of recording time for your money.

KNIGHT
KN70
RECORDING TAPE
SPECIAL FORMULA
KN-70 A
KNIGHT
KN 12
RECORDING TAPE
SPECIAL FORMULA
KN-12 B
KNIGHT
KN20
RECORDING TAPE
SPECIAL FORMULA
C
KN-20

As Low As $1.15

As Low As $1.39

As Low As $

Special Offers

Save Up to $3.25 on Carrying Case when You Buy 5 or 10 Reels of Recording Tape

Sturdy Case Holds 5 Reels

Deluxe Wood Case Holds 10 Reels

5-REEL CARRYING CASE. Buy 5 reels of KN-70, KN-12, or KN-20 recording tape and save up to $1.44 on this brown and white hardboard carrying case with convenient hinge-top for easy access.

10-REEL CARRYING CASE. Buy 10 reels of KN-12 or KN-20 recording tape and save up to $3.25 on this deluxe wood carrying case. Has attractive blue and white leatherette cover and hinge-top.

A KN-70 Standard 1½-Mil Acetate Recording Tape

Our lowest-priced recording tape, KN-70 is your best choice for general-pu
taping at minimum expense. Permits excellent frequency response an
noise levels. Deeply lubricated oxide surface lengthens tape-head life. Pr
absolutely uniform output level. Guaranteed splice-free. 7-in., 1200-ft.
individually boxed. Shpg. wt., 1 lb.

80 U 963. 5-Up............**Each 1.15 1-4**.........................**Eac**

SPECIAL TAPE AND CHEST OFFER. *Save $1.29.* Five reels (6000 ft.) of KN-7
brown and white hardboard carrying case. Wt., 6½ lbs.

80 U 964. 5 Tapes plus Chest. Separately, $7.74.........................

80 U 950. Carrying Case Alone. Shpg. wt., 1½ lbs.........................

B KN-12 Double-Strength 1½-Mil Polyester Recording Te

Knight's strongest Special Formula tape. Tough, durable polyester base
rough handling. Resists stretching, breaking, heat and humidity. Specia
ented oxide formula ensures maximum fidelity and performance. Deep lu
tion reduces tape-head wear. Guaranteed splice-free. 7-in., 1200-ft. reel i
vidually boxed. Shpg. wt., 1 lb.

80 U 959. 5-Up............**Each 1.39 1-4**.........................**Eac**

SPECIAL TAPE AND CHEST OFFER. *Save $1.29.* Five reels (6000 ft.) of KN-1
brown and white hardboard carrying case. Wt., 6½ lbs.

80 U 961. 5 Tapes plus Chest. Separately, $8.94.........................

80 U 058. *Save $2.95.* Ten reels (12,000 ft.) of KN-12 and deluxe blu
white wood carrying case. Shpg. wt., 11 lbs.........................

80 U 057. Deluxe Wood Carrying Case Alone. Shpg. wt., 2 lbs.............

C KN-20 "Plus Play" 1-Mil Polyester Tape for Longer

Get 50% more playing and recording time than standard 1½-mil tap
long-life polyester base and outstanding audio quality. Permits uninter
recordings of concerts, conferences, lectures and other events on just a
reel of tape. Highly resistant to breaking, stretching, heat and humidity.
lubricated to protect tape heads. Guaranteed splice-free. 7-in., 1800-ft.
individually boxed. Shpg. wt., 1½ lbs.

80 U 960. 5-Up............**Each 1.85 1-4**.........................**Eac**

SPECIAL TAPE AND CHEST OFFER. *Save $1.44.* Five reels (9000 ft.) of KN-2
plus brown and white hardboard carrying case. Shpg. wt., 6½ lbs.

80 U 962. 5 Tapes plus Chest. Separately, $11.39.........................

80 U 059. *Save $3.25.* Ten reels (18,000 ft.) of KN-20 and deluxe bl
white wood carrying case. Shpg. wt., 11 lbs.........................

80 U 057. Deluxe Wood Carrying Case Alone. Shpg. wt., 2 lbs.............

Money-Saving Knight Tape Is Available Only from

le-Response Recording Tape

odak

k 5" and 7" Tapes Are
on Thread-Easy
ie-Piece-Constructed,
illy Balanced Reels
ex Scale, Writing
and Splicing Area.

-Mil 40% Stronger "Durol" Low-Print Tape

l-purpose. Low layer-to-layer print-through. Strong
e triacetate plastic base. *In mailing box. †NAB
um reel. §On NAB hub (reel not supplied). Av., 12 oz.

No.	Type	Footage	Reel	1-4, EA.	5-Up, EA.
26	31A1*	150	3"	.54	.49
27	31A6	625	5"	1.47	1.32
28	31A12	1250	7"	2.25	2.06
29	31A25HF†	2500	10½"	6.96	6.32
30	31A25PH	2500	§	4.70	4.26

-Mil "Durol" High-Output Recording Tape

utput, low print-through. Minimizes distortion.
aluminum reel. §On NAB hub (no reel). Av., 12 oz.

lo.	Type	Footage	Reel	1-4, EA.	5-Up, EA.
1	34A12	1250	7"	2.25	2.06
2	34A25HF*	2500	10½"	6.96	6.32
3	34A25PH	2500	§	4.70	4.26

Mil Double-Play "Durol" Low-Print Tape

play with "Durol" strength and good, low print-
without sacrifice of excellent response. 12 oz.

o.	Type	Footage	Reel	1-4, EA.	5-Up, EA.
4	21A9	900	5"	2.25	2.06
5	21A18	1800	7"	3.57	3.23

il Longer-Recording Polyester "Tensilized"

er base for strength, "tensilized" for stretch-resist-
R-type" binder for outstanding sound recordings—
it-through with good output. Wt., 12 oz.

o.	Type	Footage	Reel	1-4, EA.	5-Up, EA.
6	21P9	900	5"	2.30	2.11
7	21P18	1800	7"	3.97	3.63

2-Mil Extra-Play Polyester "Tensilized"

hin and treated for extra strength. Longer length
e playing time. *Mailing box. Av. wt., 12 oz.

o.	Type	Footage	Reel	1-4, EA.	5-Up, EA.
8	11P4*	400	3"	1.32	1.22
9	11P12	1250	5"	3.53	3.18
0	11P25	2500	7"	6.12	5.59

2-Mil Triple-Play Polyester "Tempered"

m recording time with superior print-through
xcellent performance. *Mailing box. Wt., 12 oz.

o.	Type	Footage	Reel	1-4, EA.	5-Up, EA.
1	12P6*	600	3"	1.93	1.73
2	12P18	1800	5"	4.54	4.09
3	12P36	3600	7"	7.81	7.03

audiotape

Audiotapes Feature Famous
C-Slot Reels for Faster,
Easier Tape Threading

Standard 1½-Mil Acetate Plastic Base

General-purpose tape known world-wide for excellence. On plastic "C-Slot" reels. Av. shpg. wt., 8 oz.

Stock No.	Type	Footage	Reel	1-4, EA.	5-Up, EA.
80 U 637	651	600	5"	1.47	1.32
80 U 627	1251	1200	7"	2.29	2.06

"Longer-Recording" 1-Mil "Mylar" Tape

50% more recording time than standard tape; stronger, too. †Self-mailer. *NAB aluminum reel. Av. wt., 12 oz.

Stock No.	Type	Footage	Reel	1-9, EA.	10-Up, EA.
80 U 700	261†	225	3"	.66	.59
80 U 701	961	900	5"	2.35	2.12
80 U 702	1861	1800	7"	4.05	3.65
80 U 703	3661R*	3600	10½"	9.41	8.47†

†5-Up, EACH.

Tempered ½-Mil "Mylar" Double-Recording

Twice as much time per reel and twice as strong as other double-length tapes. Will not stretch or dry out. 8 oz.

Stock No.	Type	Footage	Reel	1-9, EA.	10-Up, EA.
80 U 619	1231T	1200	5"	3.56	3.20
80 U 622	2431T	2400	7"	6.30	5.59

Low-Print Professional Master Recording

Resists layer-to-layer signal transfer. Maximum fidelity and uniformity. *1½-mil acetate; †1½-mil "Mylar." 12 oz.

Stock No.	Type	Footage	Reel	1-9, EA.	10-Up, EA.
80 U 608	1251-M*	1200	7"	2.80	2.53
80 U 609	1271M†	1200	7"	3.33	3.00

Low-Noise 1½-Mil Acetate Tape

Excellent low-noise level, output uniformity, low print-through and high frequency response. *NAB reel. 12 oz.

Stock No.	Type	Footage	Reel	EACH	Lot Price
80 U 344	1257	1200	7"	2.80	2.53†
80 U 345	2557R*	2500	10½"	7.98	7.17‡

†EACH, 10 or more. ‡EACH, 5 or more.

TAPE RECORDER REELS. 10½". With box. *3" center. 8 oz.

Stock No.	Type	Description	1-4, EA.	5-Up, EA.
80 U 630	10RB	NAB aluminum*	2.62	2.35
80 U 704	10FS	Fiberglas, EIA adapterless 5/16" center	2.62	2.35

COLORED EMPTY PLASTIC REELS. In boxes. 4 oz.

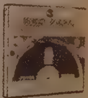
Reel Size	Stock No.					EACH	
	Clear	Red	Yellow	Green	Blue	1-9	10-Up
5"	80 U 695	80 U 655	80 U 663	80 U 669	80 U 671	39¢	35¢
7"	80 U 685	80 U 657	80 U 667	80 U 670	80 U 674	49¢	44¢

Red Seal Tapes by RCA *"The Most Trusted Name in Sound"*

nt oxide thickness offers minimum noise and lowest
n. Response capability: DC-31,000 cps. *Tensilized.
§Low-noise, low-print. Av. wt., 10 oz.

Mfr's Type	Lgth. Ft.	Mil	Reel Size	Base	EACH	
					1-11	12-Up
15A-1.5†	150	1½	3"	Acetate	.46	.41
15A-12	1200	1½	7"	Acetate	2.29	2.06
15ALN-12§	1200	1½	7"	Acetate	2.85	2.57
10A-2.25†	225	1	3"	Acetate	.37	.33
10A-18	1800	1	7"	Acetate	3.67	3.30
15M-12	1200	1½	7"	Polyester	2.77	2.50
10M-2.25†	225	1	3"	Polyester	.66	.59

RCA

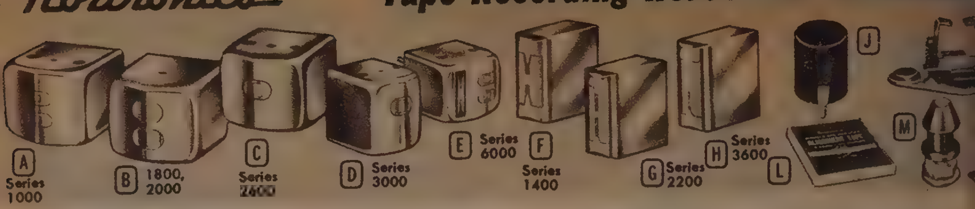


SNAP-LOAD TAPE CARTRIDGE. 560′
1-mil polyester tape. 9 oz.
80 U 797. 1DM56-C...... Each 2.70

Stock No.	Mfr's Type	Lgth. Ft.	Mil	Reel Size	Base	EACH	
						1-11	12-Up
80 U 716	10M-9	900	1	5"	Polyester	2.25	2.12
80 U 717	10M-18	1800	1	7"	Polyester	4.05	3.65
80 U 737	5TM-3†*	300	½	3"	Polyester	1.05	.94
80 U 736	5TM-6A†*	600	½	3¼"	Polyester	1.99	1.91
80 U 765	5TM-6*	600	½	4"	Polyester	2.03	1.83
80 U 739	5TM-12	1200	½	5"	Polyester	3.11	2.79
80 U 750	5TM-24	2400	½	7"	Polyester	5.71	5.14

pes in Quantity on Allied's Credit Fund Plan

Nortronics Tape Recording Heads and Accessori



Nortronics
TAPE HEAD REPLACEMENT GUIDE

FREE! UP-TO-DATE NORTRONICS TAPE HEAD REPLACEMENT GUIDE

Comprehensive list of over 500 recorders. Handy reference for specific replacement heads. **Latest Edition.**
80 U 839 G. .... FREE

NORTRONICS 2-Track and 4-Track Stereo and Monophonic Magnetic Tape Heads

Premium-quality, no-mount heads for replacement and conversion purposes. Use with mounting kits, below, for a variety of applications. Designed for recorder circuits using vacuum tubes, except Types 1000 and 3000 which can be used in circuits using tubes and transistors. **Record and Record/Playback Heads:** Hyperbolic all-metal faces with fine laminated-cores for professional use and optimum performance requirements; offer good response even at slow tape speeds. Deposited quartz gap of 0.1 mil on high-imp. heads; 0.5 mil on low-imp. units. Response, 30-15,000 cps at 7½ ips. Crosstalk rejection of stereo heads. 55 db. **Erase Heads:** Double-gap types with full-metal face and all-metal cases. 60-kc operating voltage. High-imp. types require 100-150 v.; medium-imp., 30-50 v. For frequencies to 100 kc. *Millihenries. Av. shpg. wt., 6 oz.

Stock No.	Mfr's Type	Fig.	Description	1-kc Ind. *Mh	60-kc Imp. Ohms	EACH
			High Impedance:			
80 U 854 S	1000	A	4-tr. stereo, R/P	800	......	21.00
80 U 829 S	3000	D	2-tr. mono, R/P	800	......	8.40
80 U 866 S	1400	F	4-tr. stereo, erase	80	30K	12.00
80 U 868 S	2200	G	2-tr. stereo, erase	80	25K	12.00
80 U 870 S	3600	H	2-tr. mono, erase	80	25K	8.00
			Medium Impedance:			
80 U 984 S	1001	A	4-tr. stereo, R/P	400	......	21.00
80 U 985 S	1801	B	2-tr. stereo, R/P	400	......	23.30
80 U 863 S	2601	C	2-tr. mono, R/P	400	......	15.90
80 U 830 S	3001	D	2-tr. mono, R/P	400	......	8.40
80 U 867 S	1401	F	4-tr. stereo, erase	10	2800	12.00
80 U 869 S	2201	G	2-tr. stereo, erase	8	2000	12.00
80 U 871 S	3601	H	2-tr. mono, erase	8	2000	8.00
			Low Impedance:			
80 U 975 S	1203	A	4-tr. stereo, record only	50	......	28.20
80 U 978 S	2003	B	2-tr. stereo, record only	50	......	30.30
80 U 865 S	2603	C	2-tr. mono, record only	50	......	15.90
80 U 986 S	6001	E	4-tr. stereo erase (1400), record (1203)			33.00
80 U 987 S	6002	E	4-tr. stereo erase (1401), R/P (1001)			33.00
80 U 988 S	6125	E	2-tr. mono erase (3601), R/P (2601)			21.00

QUIK-KIT HARDWARE. For adapting No-Mount heads, above, to Side or Base-Mount styles. Av. shpg. wt., 4 oz.

SIDE MOUNT Stock No.	SIDE MOUNT QK No.	BASE MOUNT Stock No.	BASE MOUNT QK No.	For Head Types
80 U 850 S	38	80 U 852 S	66	All R/P except 3000
80 U 898 S	20	80 U 897 S	21	3000 R/P
80 U 851 S	18	80 U 853 S	19	All Erase Heads
80 U 838 S	103	....	....	R/P Head Hardware for RCA, Bell Cartridge Machines

EACH 1.00

NORTONICS Recorder Accessories

80 U 894 S. (Fig. J) T-60F Bias Oscillator Coil. For 12A circuits. 40-120 v. @ 60-100 kc. 6 oz. ....

80 U 895 S. (Fig. J) T-60-T2 Coil. For single-ended o transistor circuits. 40-120 v. @ 60-100 kc. 6 oz. ....

80 U 849 S. (Fig. K) QK-74 Mounting Assembly. With a ing screws for azimuth, height, face alignment. A TG-7 posts on each side of head. For all No-mount heads, except Series 3000. Wt., 4 oz. ....

80 U 111. (Fig. L) AT-100 Alignment Tape. Full-track ips. For checking azimuth alignment, response (NAB of any recorder. Recorded instructions. 8 oz. ....

80 U 795. (Fig. M) TG-7 Adjustable Guide-Post. 3 oz. ..

80 U 796. (Fig. N) L-5 Bracket. For installing heads mount style on any tape recorder. 3 oz. ....

COUSINO Audio Vendors

Tape magazines provide continuous tap for repeated messages. Fit most reco Clockwise, except * counter-clockwise. † ips. (doubled with Möbius loop). 12 oz.

Stock No.	Type No.	Running Time†	E
80 U 145	U-1310C-3	3 minutes	
80 U 146	U-1310C-5	5 minutes	
80 U 135	U-1310C-12	12 minutes	
80 U 149	U-1310C-15	15 minutes	
80 U 143	U-1110C-30	30 minutes	1
80 U 147	U-1310CC-3*	3 minutes	
80 U 148	U-1310CC-5*	5 minutes	
80 U 136	U-1310CC-12*	12 minutes	
80 U 144	U-1310CC-15*	15 minutes	
80 U 140	U-1110CC-30*	30 minutes	1

ROBINS M/M Tape Recorder Heads

Replace heads used in 90% of all tape recorders m U.S. *Millihenries. Av. shpg. wt., 6 oz.

Stock No.	Mfr's Type	Description	Imp. 1-kc	Audio Ma	Bia Ma
80 U 157 S	3F20-101	2-tr. stereo, R/P	2000	.043	1.0
80 U 158 S	3FM20-104	2-tr. mono, R/P	2000	.043	1.0
80 U 159 S	3FM20-108	2-tr. mono, R/P	2000	.043	1.0
80 U 160 S	3L20-101	2-tr. mono, R/P	2000	.03	1.0
80 U 161 S	5QT17	4 tr. stereo, R/P	3340	.02	0.3
80 U 164 S	5QT17-105	4-tr. stereo, R/P	3340	.02	0.3
80 U 165 S	7B17	2-tr. stereo, R/P	5150	.032	0.7
80 U 170 S	7L17	2-tr. mono, R/P	5150	.023	1.0
80 U 172 S	7L17-108	2-tr. mono, R/P	5150	.023	1.0

Stock No.	Mfr's Type	Description	Freq. Kc	Ind. *Mh	Era Ma
80 U 173 S	5S1	2-tr. mono, erase	62	5.0	17
80 U 174 S	5SS1	2-tr. stereo, erase	62	5.0	17
80 U 175 S	7EM12A	2-tr. mono, erase	80	5.4	30
80 U 176 S	9QE3	4-tr. stereo, erase	75	9.0	12.5
80 U 177 S	HRE-1	Combo 2-tr. mono R/P and erase—Im Audio, .05 ma; Bias, 1.5 ma; Freq. 25			

80 U 134 G. Robins Tape Head Replacement Guide. . .

AUDIO DEVICES Disc Recording Accessories

audiodiscs

Smooth-Coated on Both Sides of Disc

AUDIODISC RECORDING BLANKS. Aluminum base. Red Label for professional recording; Yellow for general use.

Stock No.	Size	Label	Base	Wt., Ea.	Lbs., Pkg.	PER PKG. OF 25 EACH
80 U 050X	10"	Red	.040"	6 oz.	8½	27.20
80 U 051	12"	Red	.050"	9 oz.	13½	47.04
80 U 052	10"	Yellow	.040"	6 oz.	8½	23.28
80 U 053X	12"	Yellow	.050"	9 oz.	13½	37.24

AUDIOPOINT DISC CUTTING NEEDLE thetic sapphires with .003" tip, Type 20, .0005". Shpg. wt., 2 oz.

Stock No.	Type	Description
80 U 108	14	Short shank, standard groo
80 U 109	20	As above, for microgroove
80 U 118	14	Long shank, standard groo
80 U 156	20	As above, for microgroove

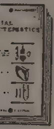
RCA and G.E. Receiving Tubes

RECEIVING TUBE MANUALS

Select 1 Manual Per Order

RCA. Lists characteristics and operating conditions of all current RCA receiving and picture tubes. Free with 15 receiving tubes or 1 picture tube.

37 U 575E..........1.25



G.E. Ratings and characteristics of all current G.E. receiving, special purpose, Five Star and picture tubes. Free with 15 receiving tubes or 1 picture tube.

37 U 259E..........1.50

TUBES MAY BE ASSORTED FOR QUANTITY-PRICE SAVINGS

- Use Your Credit Fund—Buy the Tubes You Need Now
- Take Up to 24 Months to Pay
- Buy at Quantity Prices—Tube Types May be Assorted
- Tubes Guaranteed for One Year

We will ship either RCA or G.E. tubes to you, depending upon which manufacturer's Type is in stock at the time your order for tubes is received.

Allied has the world's largest stocks of RCA and G.E. tubes—all guaranteed for 12 months (broken tubes excluded). As new types are released, Allied will stock them. Av. shpg. wt. per tube, 4 oz.

USE YOUR ALLIED CREDIT FUND TO BUY TUBES

Buy all the tubes you need, and take up to 24 months to pay. Remember—you get quantity savings when you buy 10 or more.

e Type	EA. in Quantities of		
	1-9	10-49	50-Up
	1.20	1.08	.96
	1.23	1.10	.98
	1.23	1.10	.98
	3.08	2.77	2.46
	1.43	1.28	1.14
	2.00	1.80	1.60
	2.70	2.43	2.16
	1.45	1.31	1.16
	Use 1G3GT/1B3GT		
	1.73	1.55	1.38
/1B3GT	1.38	1.24	1.10
	1.98	1.78	1.58
	1.95	1.76	1.56
	Use 1K3/1J3		
3	1.38	1.24	1.10
	Use IK3/1J3		
	1.63	1.46	1.30
	3.23	2.90	2.58
	2.93	2.63	2.34
	4.08	3.67	3.26
	3.80	3.42	3.04
	3.85	3.47	3.08
	2.20	1.98	1.76
	2.45	2.21	1.96
	1.60	1.44	1.28
	1.45	1.31	1.16
	2.05	1.85	1.64
	1.53	1.37	1.22
	1.53	1.37	1.22
	1.53	1.37	1.22
	1.33	1.19	1.06
	2.75	2.48	2.20
	1.10	.99	.88
	1.45	1.31	1.16
	1.45	1.31	1.16
	4.95	4.46	3.96
	1.90	1.71	1.52
	1.70	1.53	1.36
	1.50	1.35	1.20
	1.10	.99	.88
	1.38	1.24	1.10
	2.20	1.98	1.76
	1.45	1.31	1.16
	2.20	1.98	1.76
	3.08	2.77	2.46
	1.93	1.73	1.54
	1.60	1.44	1.28
	1.65	1.49	1.32
	1.58	1.42	1.26
	1.93	1.73	1.54
	2.43	2.18	1.94
	1.93	1.73	1.54
	2.25	2.03	1.80
	1.93	1.73	1.54
	1.93	1.73	1.54
	1.93	1.73	1.54
2	2.75	2.48	2.20
	1.60	1.44	1.28
	1.90	1.71	1.52
	1.90	1.71	1.52
	.98	.88	.78
	1.53	1.37	1.22
	1.10	.99	.88
	1.10	.99	.88
	1.60	1.44	1.28
	1.18	1.06	.94
	1.23	1.10	.98
	1.05	.95	.84
	1.45	1.31	1.16

Tube Type	EA. in Quantities of		
	1-9	10-49	50-Up
3BN4A	1.45	1.31	1.16
3BN6	1.80	1.62	1.44
3BU8	1.78	1.60	1.42
3BY6	1.38	1.24	1.10
3BZ6	1.08	.97	.86
3CA3	1.60	1.44	1.28
3CB6	1.08	.97	.86
3CE5	1.23	1.10	.98
3CF6	1.28	1.15	1.02
3CS6	1.38	1.24	1.10
3CY5	1.88	1.69	1.50
3DG4	2.05	1.85	1.64
3DK6	1.15	1.04	.92
3DT6A	1.18	1.06	.94
3DZ4	1.93	1.73	1.54
3EA5	1.78	1.60	1.42
3EH7	1.78	1.60	1.42
3EJ7	1.78	1.60	1.42
3ER5	1.65	1.49	1.32
3FH5	1.63	1.46	1.30
3FS5	2.15	1.94	1.72
3GK5	1.93	1.73	1.54
3GS8/3BU8	1.78	1.60	1.42
3HA5	Use 3HM5/3HA5		
3HM5/3HA5	1.93	1.73	1.54
3HQ5	1.93	1.73	1.54
3LF4	3.00	2.70	2.40
3Q4	1.68	1.51	1.34
3Q5GT	2.93	2.63	2.34
3S4	1.70	1.53	1.36
3V4	1.30	1.17	1.04
4AU6	1.35	1.21	1.08
4AV6	1.13	1.01	.90
4BC5	1.10	.99	.88
4BC8	1.93	1.73	1.54
4BL8	1.20	1.08	.96
4BN6	1.93	1.73	1.54
4BQ7A	2.08	1.87	1.66
4BS8	2.13	1.91	1.70
4BU8	1.85	1.67	1.48
4BZ6	1.05	.95	.84
4BZ7	1.93	1.73	1.54
4CB6	1.10	.99	.88
4CE5/4CB5	1.53	1.37	1.22
4CS6	1.45	1.31	1.16
4CY5	1.35	1.21	1.08
4DE6	1.25	1.13	1.00
4DK6	1.28	1.15	1.02
4DT6	1.03	.92	.82
4DT6A	1.05	.95	.84
4EH7	1.78	1.60	1.42
4EJ7	1.78	1.60	1.42
4ES8	2.18	1.96	1.74
4EW6	1.45	1.31	1.16
4GK5	1.95	1.76	1.56
4GM6	1.10	.99	.88
4GS8/4BU8	1.85	1.67	1.48
4GZ5	1.18	1.06	.94
4HA5	1.70	1.53	1.36
4HA7	1.53	1.37	1.22
4HM6	1.43	1.28	1.14
4HS8	1.53	1.37	1.22
4HT6	1.13	1.01	.90
4GS8	1.58	1.42	1.26
4JC6	1.80	1.62	1.44
4JD6	1.80	1.62	1.44
5AM8	2.03	1.82	1.62
5AN8	2.23	2.00	1.78
5AQ5	1.20	1.08	.96

Tube Type	EA. in Quantities of		
	1-9	10-49	50-Up
5AR4/GZ34	2.13	1.91	1.70
5AS4A	1.73	1.55	1.38
5AS8	2.20	1.98	1.78
5AT8	1.90	1.71	1.52
5AU4	1.83	1.64	1.46
5AV8	1.93	1.73	1.54
5AZ4	2.65	2.39	2.12
5B8	2.75	2.48	2.20
5BC3	1.58	1.42	1.26
5BE8	1.55	1.40	1.24
5BK7A	1.88	1.69	1.50
5BQ7A	2.00	1.80	1.60
5BR8	2.10	1.89	1.68
5BT8	1.55	1.40	1.24
5BW8	1.60	1.44	1.28
5CG8	1.58	1.42	1.26
5CL8A	1.93	1.73	1.54
5CM8	1.78	1.60	1.42
5CQ8	2.05	1.85	1.65
5CZ5	2.23	2.00	1.78
5DH8	2.75	2.48	2.20
5DJ4	1.68	1.51	1.34
5EA8	1.90	1.71	1.52
5ES8	2.75	2.48	2.20
5EU8	1.73	1.55	1.38
5EW6	1.53	1.37	1.22
5FG7	1.30	1.17	1.04
5FV8	1.50	1.35	1.20
5GH8	2.05	1.85	1.64
5GM6	1.40	1.26	1.12
5GX6	1.23	1.10	.98
5HA7	1.53	1.37	1.22
5HB7	1.38	1.24	1.10
5HG8	1.85	1.67	1.48
5J6	1.63	1.46	1.30
5KE8	2.60	2.34	2.08
5LJ8	1.43	1.28	1.14
5T8	2.10	1.89	1.68
5U4G	.98	.88	.78
5U4GB	.98	.88	.78
5U8	1.55	1.40	1.24
5V3	1.80	1.62	1.44
5V3A	1.75	1.58	1.40
5V4GA	1.78	1.60	1.42
5V6GT	1.38	1.24	1.10
5X4G	1.58	1.42	1.26
5X8	1.88	1.69	1.50
5Y3GT	.80	.72	.64
5Y4GA	1.23	1.10	.98
5Y4GT	1.70	1.53	1.36
5Z3	1.98	1.78	1.58
5Z4	3.93	3.54	3.14
6A7	4.00	3.60	3.20
6A8	3.23	2.90	2.58
6AB4	1.23	1.10	.98
6AB7	3.88	3.49	3.10
6AC5GT	2.93	2.63	2.34
6AC7	2.75	2.48	2.20
6AF3	1.55	1.40	1.24
6AF4	1.88	1.69	1.50
6AF4A	1.88	1.69	1.50
6AF6G	2.15	2.84	2.52
6AF11	2.38	2.14	1.90
6AG5	1.43	1.28	1.14
6AG7	2.93	2.63	2.34
6AG11	2.08	1.87	1.66

TUBES CONTINUED ON NEXT PAGE

Receiving Tubes (Cont'd)

AS NEW TYPES ARE RELEASED
ALLIED WILL STOCK THEM

Allied also maintains a complete selection of televisi
picture tubes, special purpose tubes and audio tubes.

Tube Type	EA. in Quantities of:		
	1-9	10-49	50-Up
AH4GT	1.63	1.46	1.30
AH6	2.20	1.98	1.76
AK5	2.25	2.03	1.80
AL3	1.38	1.24	1.10
AL5	.88	.79	.70
AL7GT	3.48	3.13	2.78
AL11	2.08	1.87	1.66
AM4	2.78	2.50	2.22
AM8A	1.63	1.46	1.30
AN4	3.08	2.77	2.46
AN8A	1.88	1.69	1.50
AQ5A	1.00	.90	.80
AQ6	1.35	1.21	1.08
AQ7GT	2.05	1.85	1.64
AQ8	1.50	1.35	1.20
AQ8/ECC85	1.50	1.35	1.20
AR5	1.23	1.10	.98
AR8	2.43	2.18	1.94
AR11	2.05	1.85	1.64
AS5	1.38	1.24	1.10
AS8	2.00	1.80	1.60
AS11	2.55	2.30	2.04
AT6	1.03	.92	.82
AT8	1.98	1.78	1.58
AT8A	2.00	1.80	1.60
AU4GTA	1.70	1.53	1.36
AU5GT	2.33	2.09	1.86
AU6A	.98	.88	.78
AU8A	2.20	1.98	1.76
AV5GA	2.35	2.12	1.88
AV6	.80	.72	.64
AV11	2.20	1.98	1.76
AW8A	1.75	1.58	1.40
AX3	1.28	1.15	1.02
AX4GTB	1.25	1.13	1.00
AX5GT	1.63	1.46	1.30
AX8	1.75	1.58	1.40
AY3	1.45	1.31	1.16
AY11	2.05	1.85	1.64
AZ8	2.75	2.48	2.20
6B8	3.43	3.08	2.74
6B10	1.68	1.51	1.34
6BA3	1.53	1.37	1.22
6BA6	.95	.86	.76
6BA7	2.93	2.63	2.34
6BA8A	2.00	1.80	1.60
6BA11	2.05	1.85	1.64
6BC4	2.75	2.48	2.20
6BC5	1.13	1.01	.90
6BC7	1.80	1.62	1.44
6BC8	1.88	1.69	1.50
6BD6	1.18	1.06	.94
6BD11	2.53	2.27	2.02
6BE3	1.43	1.28	1.14
6BE6	1.05	.95	.84
6BF5	1.68	1.51	1.34
6BF6	.90	.81	.72
6BF8	1.88	1.69	1.50
6BF11	2.45	2.21	1.96
6BG6G	3.05	2.75	2.44
6BH3	1.40	1.26	1.12
6BH6	1.38	1.24	1.10
6BH8	2.00	1.80	1.60
6BH11	1.95	1.76	1.56
6BJ3	1.40	1.26	1.12
6BJ6	1.38	1.24	1.10
6BJ7	1.48	1.33	1.18
6BJ8	1.80	1.62	1.44
6BK4A	3.78	3.40	3.02
6BK5	1.75	1.58	1.40
6BK7B	1.78	1.60	1.42
6BL7GTA	2.20	1.98	1.76
6BL8	1.88	1.69	1.50
6BL8/ECF80	1.88	1.69	1.50
6BM8/ECL82	1.45	1.31	1.16
6BN4A	1.70	1.53	1.36
6BN6	1.50	1.35	1.20
6BN8	1.58	1.42	1.26
6BN11	2.05	1.85	1.64
6BQ5	1.15	1.04	.92
6BQ5/EL84	1.13	1.01	.90
6BQ6GTB/6CU6	2.05	1.85	1.64
6BQ7A	1.88	1.69	1.50
6BR8A	1.93	1.73	1.54
6BS8	1.88	1.69	1.50
6BU8	1.70	1.53	1.36
6BV8	1.50	1.35	1.20

Tube Type	EA. in Quantities of:		
	1-9	10-49	50-Up
6BW4	1.38	1.24	1.10
6BW8	1.68	1.51	1.34
6BX7GT	2.80	2.52	2.24
6BY5GA	2.40	2.16	1.92
6BY6	1.38	1.24	1.10
6BY8	1.35	1.21	1.08
6BZ6	1.05	.95	.84
6BZ7	1.88	1.69	1.50
6BZ8	2.10	1.89	1.68
6C4	.88	.79	.70
6C5	2.68	2.41	2.14
6C6	3.93	3.54	3.14
6C9	2.75	2.48	2.20
6C10	1.98	1.78	1.58
6CA4	1.15	1.04	.92
6CA5	1.50	1.35	1.20
6CA7	2.88	2.59	2.30
6CB5A	4.68	4.21	3.74
6CB6A	1.05	.95	.84
6CD6GA	2.75	2.48	2.20
6CE5	1.10	.99	.88
6CE5/6BC5	1.10	.99	.88
6CF6	1.38	1.24	1.10
6CG7	Use 6FQ7/6CG7		
6CG8A	1.55	1.40	1.24
6CH8	2.80	2.52	2.24
6CK4	1.78	1.60	1.42
6CL6	1.90	1.71	1.52
6CL8A	1.88	1.69	1.50
6CM6	1.68	1.51	1.34
6CM7	1.38	1.24	1.10
6CM8	2.03	1.82	1.62
6CN7	2.00	1.80	1.60
6CQ4	1.78	1.60	1.42
6CQ8	1.65	1.49	1.32
6CR6	1.15	1.04	.92
6CS6	1.23	1.10	.98
6CS7	1.40	1.26	1.12
6CU5	1.35	1.21	1.08
6CU6	Use 6BQ6GTB/6CU6		
6CU8	2.20	1.98	1.76
6CW4	2.33	2.09	1.86
6CW5	1.55	1.40	1.24
6CX8	2.13	1.91	1.70
6CY5	1.73	1.55	1.38
6CY7	1.53	1.37	1.22
6CZ5	2.05	1.85	1.64
6D6	3.68	3.31	2.94
6D10	1.93	1.73	1.54
6DA4	1.53	1.37	1.22
6DA4A	1.38	1.24	1.10
6DA5/EM81	1.40	1.26	1.12
6DB5	2.50	2.25	2.00
6DC6	1.78	1.60	1.42
6DC8	1.53	1.37	1.22
6DE4	1.53	1.37	1.22
6DE6	1.20	1.08	.96
6DE7	1.68	1.51	1.34
6DG6GT	1.78	1.60	1.42
6DK6	1.13	1.01	.90
6DM4	1.53	1.37	1.22
6DN6	3.50	3.15	2.80
6DN7	1.68	1.51	1.34
6DQ4	1.23	1.10	.98
6DQ5	3.93	3.54	3.14
6DQ6B	1.95	1.76	1.56
6DR7	1.93	1.73	1.54
6DS4	2.20	1.98	1.76
6DS5	1.65	1.49	1.32
6DT4	1.65	1.49	1.32
6DT5	1.78	1.60	1.42
6DT6A	1.03	.92	.82
6DT8	1.78	1.60	1.42
6DV4	3.08	2.77	2.46
6DW4	1.75	1.58	1.40
6DW4B	1.75	1.58	1.40
6DW5	1.93	1.73	1.54
6DX8	1.45	1.31	1.16
6DZ4	1.88	1.69	1.50
6DZ7	4.35	3.92	3.48
6E5	2.83	2.54	2.26
6EA4	3.65	3.29	2.92
6EA5	1.78	1.60	1.42
6EA7	2.60	2.34	2.08
6EA8	1.50	1.35	1.20
6EB5	2.30	2.07	1.84
6EB8	2.20	1.98	1.76

Tube Type	EA. in Quantities		
	1-9	10-49	50-
6EH5	1.45	1.31	1.
6EH7	1.93	1.73	1.
6EH7/EF183	1.93	1.73	1.
6EH8	1.50	1.35	1.
6EJ7	1.78	1.60	1.
6EJ7/EF184	1.93	1.73	1.
6EM5	1.60	1.44	1.
6EM7	2.40	2.16	1.
6EQ7	1.38	1.24	1.
6ER5	1.78	1.60	1.
6ES5	1.43	1.28	1.
6ES8	2.73	2.45	2.
6ET7	2.00	1.80	1.
6EU7	1.35	1.21	1.
6EU8	1.55	1.40	1.
6EV5	1.43	1.28	1.
6EV7	1.38	1.24	1.
6EW6	1.18	1.06	.
6EW7	2.75	2.48	1.
6EX6	3.75	3.38	2.
6EY6	1.80	1.62	1.
6EZ5	2.03	1.82	1.
6EZ8	1.78	1.60	1.
6F5	2.75	2.48	2.
6F6	2.90	2.61	2.
6F6G	2.90	2.61	2.
6F6GT	2.90	2.61	2.
6F7	5.53	4.98	4.
6F8G	4.23	3.81	3.
6FA7	1.48	1.33	1.
6FD6	2.38	2.14	1.
6FD7	2.53	2.27	2.
6FE5	1.70	1.53	1.
6FG5	2.68	2.41	2.
6FG6	Use EM84/6FG		
6FG6/EM84	1.68	1.51	1.
6FG7	1.78	1.60	1.
6FH5	1.58	1.42	1.
6FH8	2.03	1.82	1.
6FJ7	1.88	1.69	1.
6FM7	1.63	1.46	1.
6FM8	1.43	1.28	1.
6FQ5A	1.93	1.73	1.
6FQ7/6CG7	1.18	1.06	.
6FS5	2.05	1.85	1.
6FV6	2.00	1.80	1.
6FV8A	1.48	1.33	1.
6FW5	1.93	1.73	1.
6FY5/EC97	1.38	1.24	1.
6FY7	1.60	1.44	1.
6G6G	3.40	3.06	2.
6G11	2.20	1.98	1.
6GB5	1.85	1.67	1.
6GC5	2.00	1.80	1.
6GE5	1.93	1.73	1.
6GF5	1.75	1.58	1.
6GF7	2.43	2.18	1.
6GH8A	1.50	1.35	1.
6GJ5A	2.80	2.52	2
6GJ7	1.70	1.53	1
6GK5	1.93	1.73	1
6GK6	1.45	1.31	1
6GL7	2.75	2.48	2
6GM5	1.53	1.37	1
6GM6	1.38	1.24	1
6GM8/ECC86	2.18	1.96	1
6GN8	2.05	1.85	1
6GT5	2.63	2.36	2
6GU5	2.05	1.85	1
6GU7	1.60	1.44	1
6GV5	2.08	1.87	1
6GV8	1.55	1.40	1
6GW6	1.95	1.76	1
6GW8/ECL86	1.53	1.37	1
6GX6	1.30	1.17	1
6GX7	1.80	1.62	1
6GY5	2.30	2.07	1
6GY6	1.30	1.17	1
6GY8	1.78	1.60	1
6GZ5	1.35	1.21	1
6H6	2.15	1.94	1
6HA5	1.93	1.73	1
6HA5 ECC90	2.03	1.82	1
6HA6	2.23	2.00	1
6HB5	2.10	1.89	1
6HB6	2.23	2.00	1
6HB7	1.68	1.51	1

Quantity Prices Also Apply to Assorted T

Receiving Tubes

QUANTITY PRICES ALSO APPLY TO ASSORTED TUBES

Use your Credit Fund to buy the tubes you need. Take up to 24 months to pay. Buy 10 or more and get quantity savings.

e Type	EA. in Quantities of: 1-9	10-49	50-Up
	2.68	2.41	2.14
	1.85	1.67	1.48
	3.65	3.29	2.92
	2.00	1.80	1.60
	1.35	1.21	1.08
	2.05	1.85	1.64
EFC86	2.05	1.85	1.64
	2.90	2.61	2.32
	1.55	1.40	1.24
	1.95	1.76	1.56
	1.53	1.37	1.22
6HA5	1.93	1.73	1.54
	1.35	1.21	1.08
	2.10	1.89	1.68
	1.38	1.24	1.10
	1.38	1.24	1.10
	1.78	1.60	1.42
	1.38	1.24	1.10
	2.75	2.48	2.20
	1.85	1.67	1.48
	1.85	1.67	1.48
	1.33	1.19	1.06
	2.50	2.25	2.00
	2.50	2.25	2.00
	2.40	2.16	1.92
	2.93	2.63	2.34
	1.88	1.69	1.50
	1.53	1.37	1.22
	1.75	1.58	1.40
	4.25	3.82	3.40
	1.85	1.67	1.48
	3.00	2.70	2.40
	1.23	1.10	.98
	2.05	1.85	1.64
	2.03	1.82	1.62
	2.08	1.87	1.66
	1.93	1.73	1.54
	1.83	1.64	1.46
	1.83	1.64	1.46
	3.65	3.29	2.92
	2.40	2.16	1.92
	1.68	1.51	1.34
	2.00	1.80	1.60
	1.78	1.60	1.42
	1.23	1.10	.98
	2.50	2.25	2.00
	3.53	3.17	2.82
Q11	1.83	1.64	1.46
	2.13	1.91	1.70
	1.40	1.26	1.12
	2.68	2.41	2.14
	1.30	1.17	1.04
	1.73	1.55	1.38
	2.13	1.91	1.70
	2.05	1.85	1.64
	2.40	2.16	1.92
	2.93	2.63	2.34
	3.63	3.27	2.90
	1.58	1.42	1.26
	4.40	3.96	3.52
	2.23	2.00	1.78
	3.48	3.13	2.78
	2.35	2.12	1.88
	2.78	2.50	2.22
	1.75	1.58	1.40
	2.08	1.87	1.66
	2.28	2.05	1.82
	2.53	2.27	2.02
	2.60	2.34	2.08
	2.75	2.48	2.20
	3.08	2.77	2.46
	1.18	1.06	.94
	2.08	1.87	1.66
	2.20	1.98	1.76
	2.20	1.98	1.76
	2.98	2.68	2.38
	2.20	1.98	1.76
	1.85	1.67	1.48
	1.53	1.37	1.22
	3.15	2.85	2.52
	2.35	2.12	1.88
	2.68	2.41	2.14
	2.08	1.87	1.66
	1.95	1.76	1.56

Tube Type	EA. in Quantities of: 1-9	10-49	50-Up
6SK7	2.13	1.91	1.70
6SK7GT	2.20	1.98	1.76
6SL7GT	1.68	1.51	1.34
6SN7GTB	1.23	1.10	.98
6SQ7	1.93	1.73	1.54
6SQ7GT	1.78	1.60	1.42
6SR7	2.13	1.92	1.70
6SS7	2.60	2.34	2.08
6T4	2.58	2.32	2.06
6T8A	1.60	1.44	1.28
6T9	1.85	1.67	1.48
6T10	2.13	1.91	1.70
6U5	3.70	3.33	2.96
6U8A	1.55	1.40	1.24
6U10	1.83	1.64	1.46
6V3A	2.28	2.05	1.82
6V4/EZ80	.75	.68	.60
6V6	3.18	2.86	2.54
6V6GT	1.03	.92	.82
6V6GTA	1.03	.92	.82
6W4GT	1.15	1.04	.92
6W4GTA	1.15	1.04	.92
6W6GT	1.35	1.21	1.08
6X4	.80	.72	.64
6X5GT	1.05	.95	.84
6X8	1.50	1.35	1.20
6X8A	1.65	1.49	1.32
6Y6GA/6Y6G	2.03	1.82	1.62
6Y6GT	1.78	1.60	1.42
6Z4	Use 84/6Z4		
7A4	3.55	3.20	2.84
7A5	2.83	2.54	2.26
7A7	3.58	3.22	2.86
7A8	3.90	3.51	3.12
7AF7	3.10	2.79	2.48
7AU7	1.23	1.10	.98
7B4	3.40	3.06	2.72
7B5	4.18	3.76	3.34
7B6	2.63	2.36	2.10
7B7	3.83	3.45	3.06
7B8	2.80	2.52	2.24
7C5	1.68	1.51	1.34
7C6	3.65	3.29	2.92
7C7	1.70	1.53	1.36
7EY6	1.68	1.51	1.34
7F7	3.75	3.38	3.00
7F8	4.13	3.72	3.30
7GV7	1.95	1.76	1.56
7H7	3.00	2.70	2.40
7HG8/PCF86	1.58	1.42	1.26
7K7	4.05	3.65	3.24
7N7	3.55	3.20	2.84
7V7	2.33	2.09	1.86
7W7	3.28	2.95	2.62
7X7	3.83	3.45	3.06
7Z4	3.25	2.93	2.60
8AU8	1.93	1.73	1.54
8AW8A	1.75	1.58	1.40
8B10	1.68	1.51	1.34
8BA8A	1.73	1.54	1.38
8BH8	1.68	1.51	1.34
8BN8	1.53	1.37	1.22
8BQ5	1.38	1.24	1.10
8CG7	Use 8FQ7/8CG7		
8CM7	1.35	1.21	1.08
8CN7	1.53	1.37	1.22
8CS7	1.53	1.37	1.22
8CW5A	1.28	1.15	1.02
8CX8	2.20	1.98	1.76
8EB8	2.05	1.85	1.64
8EM5	1.63	1.46	1.30
8ET7	2.08	1.87	1.66
8FQ7/8CG7	1.18	1.06	.94
8GJ7	1.63	1.46	1.30
8GN8	1.85	1.67	1.48
8JV8	1.83	1.64	1.46
8KA8	1.93	1.73	1.54
8LC8	1.93	1.73	1.54
9A8/PCF80	1.70	1.53	1.36
9AU7	1.33	1.19	1.06
9BR7	1.58	1.42	1.36
9CL8	1.48	1.33	1.18
9EA8	1.53	1.37	1.22
9GV8	1.88	1.69	1.50
9KZ8	1.20	1.08	.96

Tube Type	EA. in Quantities of: 1-9	10-49	50-Up
9U8A	1.55	1.40	1.24
10AL11	2.28	2.05	1.82
10C8	2.58	2.32	2.06
10DE7	1.60	1.44	1.28
10DR7	2.05	1.85	1.64
10DX8	1.38	1.24	1.10
10EG7	2.18	1.96	1.74
10EM7	2.23	2.00	1.78
10EW7	2.20	1.98	1.76
10GN8	1.78	1.60	1.42
10HF8	2.33	2.09	1.86
10JA8	1.78	1.60	1.42
10JY8	1.83	1.64	1.46
10KR8	2.13	1.91	1.70
10KU8	2.43	2.18	1.94
10LW8	2.43	2.18	1.94
11AR11	2.05	1.85	1.64
11CY7	1.80	1.62	1.44
11JE8	1.93	1.73	1.54
11KV8	2.95	2.66	2.36
11LQ8	2.95	2.66	2.36
12AB5	1.65	1.49	1.32
12AC6	1.05	.95	.84
12AD6	1.30	1.17	1.04
12AE6A	1.38	1.24	1.10
12AF3	1.93	1.73	1.54
12AF6	1.43	1.28	1.14
12AH7GT	2.63	2.36	2.10
12AJ6	1.20	1.08	.96
12AL5	1.05	.95	.84
12AL8	3.08	2.77	2.46
12AL11	2.10	1.89	1.68
12AQ5	1.23	1.10	.98
12AT6	.88	.79	.70
12AT7	1.43	1.28	1.14
12AU6	1.00	.90	.80
12AU7	1.18	1.06	.94
12AU7A	1.18	1.06	.94
12AV5GA	2.25	2.03	1.80
12AV6	.80	.72	.64
12AV7	1.70	1.53	1.36
12AW6	1.55	1.40	1.24
12AX3	1.50	1.35	1.20
12AX4GTB	1.28	1.15	1.02
12AX7	1.20	1.08	.96
12AX7A	1.20	1.08	.96
12AY3	1.33	1.19	1.06
12AY7	2.43	2.18	1.94
12AZ7A	1.43	1.28	1.14
12B4A	1.53	1.37	1.22
12BA6	.80	.72	.64
12BA7	2.80	2.52	2.24
12BD6	1.18	1.06	.94
12BE3	1.53	1.37	1.22
12BE6	.83	.74	.66
12BF6	1.05	.95	.84
12BH7A	1.45	1.31	1.16
12BK5	1.88	1.69	1.50
12BL6	1.43	1.28	1.14
12BN6	2.05	1.85	1.64
12BQ6GTB/12CU6	2.10	1.89	1.68
	Use 12BQ6GTB/12CU6		
12BR7	1.53	1.37	1.22
12BS3A	1.68	1.51	1.34
12BT3	1.43	1.28	1.14
12BV7	1.65	1.49	1.32
12BW4	1.38	1.24	1.10
12BY7A	1.53	1.37	1.22
12BZ6	1.05	.95	.84
12BZ7	2.08	1.87	1.66
12C5	Use 12CU5/12C5		
12CA5	1.43	1.28	1.14
12CN5	1.63	1.46	1.30
12CR6	1.30	1.17	1.04
12CT8	2.48	2.23	1.98
12CU5/12C5	1.38	1.24	1.10
12CU6	Use 12BQ6GTB/12CU6		
12CX6	1.38	1.24	1.10
12D4	1.38	1.24	1.10
12DB5	1.30	1.17	1.04
12DE8	1.55	1.40	1.24
12DK6	1.15	1.04	.92
12DK7	1.38	1.24	1.10
12DL8	2.93	2.63	2.34
12DQ6B	Use 12GW6/12DQ6B		
12DQ7	1.63	1.46	1.30

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Tube Type	EA. in Quantities of:		
	1-9	10-49	50-Up
12DS7	2.03	1.82	1.62
12DT5	1.55	1.40	1.24
12DT8	1.78	1.60	1.42
12DU7	2.20	1.98	1.76
12DV7	2.03	1.82	1.62
12DV8	2.00	1.80	1.60
12DW7	1.53	1.37	1.22
12DY8	3.98	3.58	3.18
12DZ6	1.80	1.62	1.44
12DZ6/12EA6	1.80	1.62	1.44
12EA6	1.23	1.10	.98
12EC8	1.70	1.53	1.36
12ED5	1.35	1.21	1.08
12EG6	1.73	1.55	1.38
12EK6	1.55	1.40	1.24
12EL6	.95	.86	.76
12EN6	1.45	1.31	1.16
12EQ7	1.38	1.24	1.10
12EZ6	1.15	1.04	.92
12F8	1.45	1.13	1.16
12FK6	1.10	.99	.88
12FM6	1.30	1.17	1.04
12FQ8	2.08	1.87	1.66
12FR8	3.45	3.11	2.76
12FV7	1.70	1.53	1.36
12FX5	1.23	1.10	.98
12FX8A	1.93	1.73	1.54
12GA6	1.35	1.21	1.08
12GC6	1.98	1.78	1.58
12GE5	2.05	1.85	1.64
12GN7A	1.95	1.76	1.56
12GT5	2.25	2.03	1.80
12H6	2.00	1.80	1.60
12HE7	3.40	3.06	2.72
12J5	2.05	1.85	1.64
12J5GT	2.40	2.16	1.92
12J8	2.18	1.96	1.74
12JB6A	2.83	2.54	2.26
12JN8	1.85	1.67	1.48
12JT6A	2.40	2.16	1.92
12K5	1.88	1.69	1.50
12K7GT	3.30	2.97	2.64
12KL8	1.23	1.10	.98
12L6GT	1.78	1.60	1.42
12R5	1.68	1.51	1.34
12SA7	2.20	1.98	1.76
12SA7GT	2.20	1.98	1.76
12SC7	2.60	2.34	2.08
12SF5	1.93	1.73	1.54
12SF7	3.10	2.79	2.48
12SG7	2.35	2.12	1.88
12SH7	2.70	2.43	2.16
12SJ7	2.15	1.94	1.72
12SK7	2.00	1.80	1.60
12SK7GT	2.00	1.80	1.60
12SL7GT	1.78	1.60	1.42
12SN7GTA	1.28	1.15	1.02
12SQ7	1.88	1.69	1.50
12SQ7GT	1.88	1.69	1.50
12U7	1.25	1.13	1.00
12V6GT	1.88	1.69	1.50
12W6GT	1.88	1.69	1.50
12X4	.98	.88	.78
13CW4	2.38	2.14	1.90
13DE7	1.60	1.44	1.28
13DR7	1.78	1.60	1.42
13EM7	2.43	2.18	1.94
13EM7/15EA7	2.40	2.16	1.92
13FD7	2.28	2.05	1.82
13FM7	1.50	1.35	1.20
13GB5	1.85	1.67	1.48
13GF7	2.33	2.09	1.86
13J10	2.53	2.27	2.02
14B6	2.65	2.39	2.12
14BL11	2.55	2.30	2.04
14C7	3.10	2.79	2.48
14F7	4.23	3.81	3.38
14GT8	1.68	1.51	1.34
14JG8	1.55	1.40	1.24
14Q7	2.93	2.63	2.34
14R7	3.40	3.06	2.72
15AF11	2.38	2.14	1.90
15BD11	2.43	2.18	1.94
15CW5	1.33	1.19	1.06
15CW5/PL84	1.33	1.19	1.06
15DQ8	1.78	1.60	1.42
15EW6	1.38	1.24	1.10
15FM7	1.70	1.53	1.36
15FY7	1.78	1.60	1.42
15HB6	1.93	1.73	1.54
15LE8	3.83	3.45	3.06
15KY8	2.38	2.14	1.90
16A8	1.73	1.55	1.38
16AQ3	1.35	1.21	1.08
16AQ3/XY88	1.35	1.21	1.08
16GK6	1.53	1.37	1.22
16GY5	2.43	2.18	1.94
17AX3	1.30	1.17	1.04
17AX4GT	1.38	1.24	1.10
17AX4GTA	1.53	1.37	1.22
17AY3	1.33	1.19	1.06
17BE3	1.45	1.31	1.16
17BF11	2.28	2.05	1.82
17BH3	1.43	1.28	1.14
17BQ6GTB	2.60	2.34	2.08
17BS3	1.68	1.51	1.34
17C5	1.10	.99	.88
17C9	3.58	3.22	2.86
17CU5	1.18	1.06	.94
17D4	1.53	1.37	1.22
17DE4	1.60	1.44	1.28
17DM4A	1.53	1.37	1.22
17DQ6B	1.98	1.78	1.58
17EW8 HCC85	1.30	1.17	1.04
17GE5	2.18	1.96	1.74
17GJ5	2.75	2.48	2.20
17GT5	2.00	1.80	1.60
17GV5	2.10	1.89	1.68
17GW6	2.00	1.80	1.60
17H3	1.38	1.24	1.10
17JB6	2.75	2.48	2.20
17JG6A	2.88	2.59	2.30
17JM6	1.95	1.76	1.56
17JT6A	2.40	2.16	1.92
17JZ8	1.78	1.60	1.42
17LD8	Use 15KY8		
18A5	2.08	1.87	1.66
18FW6	1.23	1.10	.98
18FW6A	1.23	1.10	.98
18FX6	1.10	.99	.88
18FX6A	1.10	.99	.88
18FY6	1.08	.97	.86
18FY6A	1.10	.99	.88
18GD6A	1.00	.90	.80
19AU4	1.90	1.71	1.52
19AU4GTA	1.78	1.60	1.42
19BG6GA	3.33	2.99	2.66
19CL8A	1.85	1.67	1.48
19EA8	1.93	1.73	1.54
19EZ8	2.25	2.03	1.80
19GQ7	1.90	1.71	1.52
19HR6	1.23	1.10	.98
19HS6	1.20	1.08	.96
19HV8	1.78	1.60	1.42
19J6	1.85	1.67	1.48
19JN8	1.53	1.37	1.22
19KG8	1.40	1.26	1.12
19T8	1.85	1.67	1.48
19X8	2.05	1.85	1.64
20EZ7	1.70	1.53	1.36
21GY5	2.33	2.09	1.86
21HB5	2.18	1.96	1.74
21HB5A	2.18	1.96	1.74
21HJ5	2.93	2.63	2.34
22BH3	1.53	1.37	1.22
22BW3	1.53	1.37	1.22
22DE4	1.70	1.53	1.36
22JG6A	2.88	2.59	2.30
22JU6	2.88	2.59	2.30
23Z9	2.35	2.12	1.88
25AV5GA	2.40	2.16	1.92
25AX4GT	1.53	1.37	1.22
25BK5	1.70	1.53	1.36
25BQ6GA	2.18	1.96	1.74
25BQ6GTB/25CU6	2.20	1.98	1.76
25C5	1.03	.92	.82
25CA5	1.10	.99	.88
25CD6GB	1.80	1.62	1.44
25CU6	Use 25BQ6GTB/25CU6		
25DK4	1.10	.99	.88
25DN6	2.89	2.68	2.38
25EC6	3.08	2.77	2.46

Tube Type	EA. in Quantitie		
	1-9	10-49	50
25EH5	1.45	1.31	
25F5	1.93	1.73	
25F5A	1.93	1.73	
25L6GT	1.38	1.24	
25W4GT	1.28	1.15	
25W6GT	1.70	1.53	
25Z5	2.18	1.96	
25Z6GT	1.63	1.46	
27GB5/PL500	1.85	1.67	
29GK6	1.80	1.62	
30AG11	2.20	1.98	
32ET5A	1.20	1.08	
33GT7	3.48	3.13	
33GY7	3.03	2.72	
33JV6	2.10	1.89	
34GD5	1.10	.99	
34GD5A	1.10	.99	
35A5	2.83	2.54	
35B5	1.60	1.44	
35C5	1.10	.90	
35DZ8	2.00	1.80	
35EH5	1.38	1.24	
35GL6	1.45	1.31	
35HB8	1.45	1.31	
35L6GT	1.23	1.10	
35W4	.53	.47	
35Y4	2.25	2.03	
35Z3	2.35	2.12	
35Z4GT	1.28	1.15	
35Z5GT	.98	.88	
36AM3A	.78	.70	
36AM3B	.78	.70	
38HE7	3.33	2.99	
42	2.43	2.18	
43	3.60	3.24	
45B5/UL84	1.40	1.26	
50A5	2.93	2.63	
50B5	1.30	1.17	
50BM8	1.55	1.40	
50C5	1.00	.90	
50DC4	.98	.88	
50EH5	1.10	.99	
50FE5	2.05	1.85	
50FK5	1.10	.99	
50HC6	1.20	1.08	
50HK6	1.08	.97	
50L6GT	1.28	1.15	
50X6	2.93	2.63	
50Y6GT	2.18	1.96	
50Y7GT	2.13	1.91	
60FX5	1.30	1.17	
75	3.20	2.88	
80	2.40	2.16	
84/6Z4	1.70	1.53	
117L7/117M7GT	4.78	4.30	
117M7GT	Use 117L7/117M		
117N7GT	6.43	5.79	
117P7GT	6.43	5.79	
117Z3	2.25	2.03	
117Z6GT	3.35	3.02	
5879	1.93	1.73	
6973	2.13	1.91	
7025	1.40	1.26	
7027A	3.38	3.04	
7189	1.85	1.67	
7189A	1.85	1.67	
7199	2.23	2.00	
7247	1.60	1.44	
7355	1.55	1.40	
7408	1.53	1.37	
7543	1.45	1.31	
7581A	2.28	2.05	
7591	1.48	1.33	
7591A	1.40	1.26	
7695	2.20	1.98	
7868	1.93	1.73	
8136	1.28	1.15	
8425A/6AU6A	1.28	1.15	
8426A/12AU6A	1.40	1.26	

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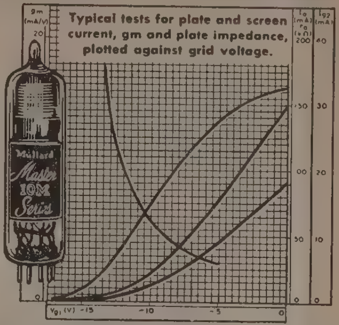
MASTER 10M SERIES TUBES—GUARANTEED FOR 10,000 HOURS


Typical tests for plate and screen current, gm and plate impedance, plotted against grid voltage.

INDIVIDUALLY TESTED FOR

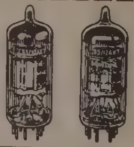
Noise and Microphonics ✓ Contact Potential ✓ Heater Current
Grid Current Cutoff ✓ Transconductance ✓ Distortion

lly designed and selected tubes, guaranteed for 10,000 hours of efficient fective performance within a two-year period from the date of purchase. dually laboratory-tested to assure long life and ultra-reliable performance, ube-to-tube and section-to-section uniformity. Highly recommended for any l circuit application such as in stereo hi-fi components, broadcast and antenna s, instrumentation, computers, radar, commercial sound and public address s, and many more. Ideal for today's technically advanced and exacting elec- assemblies. Give finest results with existing equipment as well as in designing uipment. Each is packaged and sealed in plastic-foam cushion for extra tion during handling and shipment. *Not in 10M Series. *Please specify full No. and Tube Type No. when ordering.* Imported from Great Britain. Av. vt., 5 oz.

k No.	Tube Type	EACH	Stock No.	Tube Type	EACH	Stock No.	Tube Type	EACH
017	6AB8	2.60	96 U 046	6GK5	2.30	96 U 072	ECC85/6AQ8	2.30
018	6AJ8	2.55	96 U 047	6HG8	2.85	96 U 073	ECF86/6HG8	2.95
019	6AK5	3.10	96 U 048	6J6	2.45	96 U 074	EF86/6267	2.40
020	6AK8	2.65	96 U 049	6J6A	2.45	96 U 075	PCF86/7HG8	2.55
021	6AL5	1.80	96 U 050	6T8A	2.65	96 U 076	ECC88/6DJ8	2.95
022	6AQ5	2.05	96 U 051	7HG8	2.55	96 U 125	*KT88	5.60
023	6AQ5A	2.05	96 U 052	9A8	3.10	96 U 077	EBF89/6DC8	2.50
024	6AQ8	2.30	96 U 053	12AT7	2.45	96 U 078	EF89/6DA6	2.45
025	6AT6	1.90	96 U 054	12AU7	2.10	96 U 079	EC90/6C4	2.70
026	6AU6	1.95	96 U 055	12AU7A	2.10	...	EK90/6BE6	Use 6BE6
027	6AU6A	1.95	96 U 056	12AV6	1.85	...	EL90/6AQ5	Use 6AQ5
028	6AV6	1.85	96 U 057	12AX7	2.10	...	EB91/6AL5	Use 6AL5
029	6BA6	1.85	96 U 058	12AX7A	2.10	96 U 080	EBC91/6AV6	1.85
030	6BE6	2.00	96 U 059	12DW7	2.45	96 U 081	ECC91/6J6	2.45
031	6BL8	2.80	96 U 060	15CW5	2.40	96 U 082	HBC91/12AV6	1.85
032	6BQ5	2.05	96 U 120	*KT66	3.68	96 U 083	EF93/6BA6	1.90
033	6BQ5A	2.05	96 U 122	*KT77	4.28	96 U 084	EF94/6AU6	1.95
034	6C4	2.70	96 U 061	EABC80/6AK8	2.65	96 U 085	EC95/6ER5	2.30
036	6DC8	2.50	96 U 062	ECF80/6BL8	2.90	96 U 086	EF95/6AK5	3.10
037	6DJ8	2.85	96 U 063	ECL80/6AB8	1.50	96 U 087	EL95/6DL5	2.45
038	6DL5	2.45	96 U 064	PCF80/9A8	3.10	96 U 088	EC97/6FY5	2.25
039	6DX8	2.70	96 U 065	ECC81/12AT7	2.45	96 U 089	EF183/6EH7	2.50
040	6EH7	2.50	96 U 066	ECH81/6AJ8	2.55	96 U 090	EF184/6EJ7	2.50
041	6EJ7	2.50	96 U 067	ECC82/12AU7	2.10	96 U 091	ECC189/6ES8	3.30
042	6ER5	2.30	96 U 068	ECC83/12AX7	2.10	96 U 092	6267	2.40
043	6ES8	3.30	96 U 069	ECL84/6DX8	2.70	96 U 093	7025	2.25
044	6EU7	2.25	96 U 070	EL84/6BQ5	2.05	96 U 094	7247	2.45
045	6FY5	2.25	96 U 071	PL84/15CW5	2.40			

MULLARD MATCHED PAIRS FOR SUPERIOR HI-FI PERFORMANCE

MULLARD MATCHED PAIRS ARE MASTER SERIES (NOT 10M SERIES)



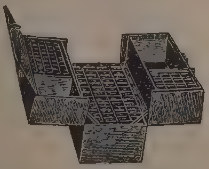
ptimum performance, it is important that the ing signal be amplified proportionately in the pull output tubes in an audio amplifier. This pre- a loss of power as well as distortion of the complex forms of the audio signal and their harmonics. Mullard's laboratory-balanced matched pairs are designed for this purpose. Matched pairs are available for virtually every high fidelity amplifier. They will perform in your circuit exactly as the equipment was designed to operate. Av. wt., 10 oz.

No.	Tube Type	PAIR	Stock No.	Tube Type	PAIR	Stock No.	Tube Type	PAIR
...	6AQ5/FL90MP	Use 6AQ5A	96 U 115	6L6G/EL37MP	6.95	...	EL86MP	Use 6CW5
107	6AQ5A/EL90MP	2.48	...	6L6GC/EL34MP	Use 6CA7	...	EL90MP —	Use 6AQ5A
108	6BM8/ECL82MP	3.30	96 U 117	45B5/UL84MP	2.96	...	EL95MP	Use 6DL5
109	6BQ5/EL84MP	2.47	96 U 118	50BM8/UCL82MP	3.48	96 U 121	KT66MP	8.00
110	6BQ5A/7189MP	3.21	...	ECL82MP	Use 6BM8	96 U 123	KT77MP	9.25
111	6CA7/EL34MP	5.93	96 U 096	ECL86MP	3.43	96 U 119	KT88MP	11.95
112	6CW5/EL86MP	4.22	...	EL34MP	Use 6CA7	...	UCL82MP	Use 50BM8
113	6DL5/EL95MP	2.36	...	EL37MP	Use 6L6G	...	UL84MP	Use 45B5
114	6GW8/ECL86MP	3.43	96 U 099	EL84MP	2.47	96 U 105	7189MP	3.21

ARGOS SERVICEMEN'S TUBE CADDIES

JUNIOR TUBE CADDY

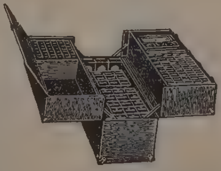
55



201. to- only rds and for- cad- fect k servicing trips. Holds up to 143 vith room for meters and tools. open" section has cover and snap keeping small parts in order. Brown vering is long-wearing and abrasion- . Has clasp lock. Plastic handle. ¾x8". Shpg. wt., 10 lbs.
8 X....................9.95

"CARRY-ALL" CADDY

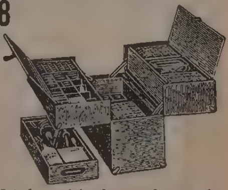
$15^{32}



Type TC-4. One of the most popular caddies sold. Carries up to 262 tubes with room for soldering gun, meter, probes, tools, and assorted small parts. "Break-away" design permits quick access to all sections. Partitions aid in orderly arrangement of parts. Has two clasp locks; plastic carrying handle. Scuff-proof brown vinyl covering. Size, 15x21x8". Shpg. wt., 12 lbs.
96 U 129 X....................15.32

SUPER TUBE CADDY

$20^{98}



Type TC-5. Ruggedly built, double-door caddy for tubes, tools, meters and parts. Carries up to 325 tubes with plenty of space for small parts. For the serviceman who believes in carrying a full load to save extra trips. Has removable 2¾" deep tray featuring "egg crate" design for fuses, bulbs, etc. Brown vinyl. 16½x24x8½". 19 lbs.
96 U 130 X. *$5 Monthly*..........20.98

Guaranteed TV Picture Tube

ALL TUBES GUARANTEED ONE FULL YEAR

- Premium-Quality, Name-Brand Tubes at Lowest Cost
- Replace Almost All Existin
- Each Carries Same Guarantee as All-New Picture Tube
- Most Have Aluminized

Weak picture tubes take all the pleasure from TV viewing. Replace that old tube now, at a remarkably low price. Allied can supply all your replacement picture tubes from our complete stocks of premium-quality RCA and G.E. tubes. Most have aluminized screens for greater contrast and brighter picture. All materials and parts used in the manufacture of the picture tubes are brand new, except envelope, which prior to reuse was carefully inspected at the factory to meet the standards of the original new envelope. alternate tubes are indicated for origina no longer being manufactured, the sub is directly interchangeable in the televisi G.E. or RCA tubes will be supplied, wh is in stock at the time that your order is re unless otherwise specified. Types marke * (asterisk) are not aluminized. Full o guarantee. *If you wish to return a tube, ship prepaid. We will ship replacement prepaid.*

Important Ordering Information: Specify full Stock No. which consists of 3 components: 1.) the numbers 96U28; 2.) method of shipment from "Ship." column ("X" for parcel post, "U" for UPS or express, "Z" freight; 3.) Tube Type. Example: 96U28 U 16VP4.

Ship.	Type	Lbs.	EACH
X	5AXP4*	5	25.40
X	5TP4	5	50.97
X	7JP4	7	20.47
X	8DP4*	....	21.32
X	8XP4	8	28.07
X	8YP4*	8	30.75
X	9QP4A	....	26.30
X	10BP4A	14	25.22
X	10BP4C/D*	....	Use 10FP4A
X	10CP4*	....	Use 10FP4A
X	10EP4*	....	Use 10BP4A
X	10FP4A	13	26.85
U	12JP4*	....	Use 12KP4A
U	12KP4A*	17	26.30
U	12LP4A/C*	....	Use 12KP4A
U	12QP4/A*	....	Use 12KP4A
U	12TP4*	....	Use 12KP4A
U	12ZP4/A*	....	Use 12KP4A
U	14ATP4*	12	24.32
U	14BP4/A*	....	Use 14CP4B
U	14CP4/A/B*	....	Use 14CP4B
U	14CP4B	14	24.51
U	14DP4*	....	Use 14CP4B
U	14EP4*	....	Use 14CP4B
U	14HP4*	....	Use 14QP4B
U	14NP4/A	....	Use 14WP4
U	14QP4A/B	....	26.24
U	14RP4/A	....	Use 14WP4
U	14SP4	....	Use 14WP4
U	14WP4	12	27.13
U	14ZP4	....	Use 14WP4
U	16ANP4	22	31.35
U	16AP4A*	17	24.24
U	16ASP4	22	37.50
U	16ATP4	22	35.74
U	16AYP4	9	26.85
U	16BGP4	22	29.10
U	16BUP4	22	28.68
U	16BVP4	22	34.12
U	16CAP4	....	Use 16BGP4
U	16CP4*	....	Use 16LP4A
U	16DP4A*	23	16.82
U	16GP4B*	16	23.82
U	16KP4	....	Use 16RP4B
U	16KP4/A	....	Use 16RP4B
U	16LP4A*	25	19.08
U	16QP4*	....	Use 16RP4B
U	16KP4A	....	Use 16RP4B
U	16RP4B	22	13.80
U	16SP4A*	....	Use 16WP4A
U	16TP4*	21	25.76
U	16UP4*	....	Use 16RP4B
U	16VP4*	....	Use 16WP4A
U	16WP4A*	21	28.10
U	16XP4*	....	Use 16RP4B
U	16YP4*	....	Use 16WP4A
U	16ZP4*	....	Use 16LP4A
U	17AP4*	....	Use 17BP4D
U	17ATP4	....	Use 17BJP4
U	17ATP4A	....	Use 17BJP4
U	17AVP4	....	Use 17BJP4
U	17AVP4/A	....	Use 17BJP4
U	17BJP4	17	18.91
U	17BP4/B/D	20	15.46
U	17BRP4	....	Use 17DSP4
U	17BUP4	....	Use 17BJP4
U	17BVP4	....	Use 17CSP4
U	17BWP4	....	Use 17CSP4
U	17BZP4	....	Use 17DSP4
U	17CAP4	....	Use 17DSP4
U	17CBP4*	....	Use 17BJP4
U	17CDP4*	14	32.92
U	17CFP4	17	23.78
U	17CKP4	....	Use 17DSP4
U	17CLP4	....	Use 17BJP4
U	17CP4	16	23.52
U	17CRP4	24	24.43
U	17CSP4	13	26.61
U	17CWP4	....	Use 17DSP4
U	17CYP4	17	30.04
U	17DAP4	13	31.47
U	17DKP4	14	26.61
U	17DLP4	....	Use 17DSP4
U	17DQP4	13	26.06
U	17DRP4	14	31.09
U	17DSP4	13	22.16
U	17DTP4	....	Use 17DKP4
U	17DXP4	14	26.06
U	17DZP4	....	Use 17DXP4
U	17EFP4	24	26.06
U	17GP4*	16	25.76
U	17HP4B/C	16	15.46
U	17JP4	....	Use 17BP4D
U	17LP4A/B	16	17.75
U	17QP4A/B	14	17.75
U	17RP4/C	....	Use 17HP4C
U	17TP4*	16	17.96
U	17UP4*	....	Use 17QP4B
U	17VP4B/B*	....	Use 17LP4B
U	17YP4*	....	Use 17QP4B
Z	19ABP4	19	31.73
Z	19ACP4	....	Use 19CHP4
Z	19AFP4	....	Use 19AUP4
Z	19AHP4	19	28.39
Z	19AJP4	19	28.39
Z	19AP4A	24	31.82
Z	19AP4B*	27	31.82
Z	19AUP4	....	34.54
Z	19AVP4	....	28.39
Z	19AXP4	....	Use 19AYP4
Z	19AYP4	24	28.39
Z	19BDP4	24	28.39
Z	19BHP4	26	28.78
Z	19BLP4	....	Use 19AVP4
Z	19BTP4	26	28.39
Z	19BVP4	....	Use 19AVP4
Z	19BWP4	....	Use 19AYP4
Z	19CFP4	....	Use 19CHP4
Z	19CHP4	24	28.39
Z	19CKP4	....	Use 19CHP4
Z	19CMP4	26	28.39
Z	19CUP4	26	32.18
Z	19CXP4	26	28.39
Z	19DAP4	26	33.44
Z	19DEP4	26	32.18
Z	19DQP4	26	31.19
Z	19DRP4	26	31.19
Z	19DSP4	26	31.19
Z	19DWP4	....	Use 19DQP4
Z	19XP4	....	Use 19AVP4
Z	19YP4	....	Use 19BTP4
Z	19ZP4	....	Use 19AVP4
Z	20CP4	....	Use 20DP4D
Z	20CP4A/B/C	24	Use 20DP4D
Z	20DP4C/D	24	30.19
Z	20HP4D/E	30	30.19
Z	20LP4*	....	Use 20HP4E
Z	20MP4*	....	Use 20HP4E
Z	21ACP4/A	....	Use 21AMP4B
Z	21AFP4*	....	Use 21YP4B
Z	21ALP4/A/B	....	Use 21CBP4A
Z	21AMP4A/B	35	16.82
Z	21ANP4/A	....	Use 21C
Z	21AP4	35	36.
Z	21AQP4/A	....	Use 21A
Z	21ASP4*	....	Use 21X
Z	21ATP4/A/B	....	Use 21C
Z	21AUP4/A/B	....	Use 21A
Z	21AVP4/B/C	24	19.
Z	21AWP4/A	26	19.
Z	21AYP4*	....	Use 21X
Z	21BAP4*	....	Use 21C
Z	21BNP4	....	Use 21C
Z	21BSP4	....	Use 21A
Z	21BTP4	....	Use 21C
Z	21CBP4A	33	16.
Z	21CEP4/A	....	Use 21D
Z	21CMP4	....	Use 21C
Z	21CQP4	20	29.
Z	21CUP4	....	Use 21A
Z	21CVP4	....	Use 21C
Z	21CWP4	....	Use 21C
Z	21CXP4	....	Use 21D
Z	21CZP4	....	Use 21D
Z	21DAP4	....	Use 21D
Z	21DEP4A	26	25.
Z	21DFP4	33	25.
Z	21DHP4	32	27.
Z	21DLP4	30	26.
Z	21DMP4	....	Use 21F
Z	21DNP4	....	Use 21C
Z	21DQP4	....	Use 21D
Z	21DSP4	37	22.
Z	21EAP4	....	Use 21F
Z	21EMP4	....	Use 21E
Z	21EP4B/C	35	20.
Z	21EP4B	29	20.
Z	21EQP4	29	29.
Z	21ESP4	....	Use 21F
Z	21EVP4	29	36.
Z	21FAP4	29	25.
Z	21FDP4	29	36.
Z	21FLP4	....	Use 21C
Z	21FMP4	30	28.
Z	21FP4D	35	20.
Z	21MP4*	25	38.
Z	21WP4A/B	31	27.
Z	21XP4A/B	33	27.
Z	21YP4A/B	32	15.
Z	21ZP4B/C	33	15.
Z	23AFP4	....	Use 23Y
Z	23AHP4	39	34.
Z	23ALP4	....	Use 23C
Z	23ANP4	....	Use 23B
Z	23ARP4	35	36.
Z	23ASP4	36	34.
Z	23ATP4	....	Use 23B
Z	23AUP4	....	Use 23A
Z	23AVP4	....	Use 23C
Z	23AWP4	....	Use 23B
Z	23BDP4	....	Use 23Y
Z	23BGP4	36	40.
Z	23BHP4	35	Use 23B
Z	23BJP4	....	34.
Z	23BKP4	....	Use 23B
Z	23BLP4	45	41.
Z	23BNP4	....	Use 23C
Z	23BQP4	40	40.
Z	23BTP4	....	Use 23Y
Z	23BVP4	....	Use 23Y
Z	23CBP4	35	41.
Z	23CGP4	40	34.

Listings Continued on Following Pages.

Guaranteed TV Picture Tubes (Cont'd.)

Type	Lbs.	EACH
23CP4/A	41	40.04
23CQP4	36	34.80
23DAP4	28	36.99
23DBP4	30	35.89
23DKP4	31	41.94
23DLP4	....	Use 23ENP4
23DNP4	....	Use 23BLP4
23DQP4	32	49.50
23DSP4	31	49.50
23ENP4	33	36.70
23EQP4	40	37.80
23ESP4	....	Use 23ETP4
23EP4	41	42.18
23ETP4	40	36.70
23FBP4	40	38.95
23FP4A	34	34.80
23FVP4	....	Use 23ETP4
23GP4	....	Use 23CP4

Ship.	Type	Lbs.	EACH
Z	23HP4	....	Use 23CP4
Z	23JP4	43	40.04
Z	23KP4/A	....	Use 23FP4A
Z	23MP4/A	....	Use 23FP4A
Z	23NP4	40	34.80
Z	23TP4	42	36.89
Z	23UP4	....	Use 23BQP4
Z	23WP4	....	Use 23FP4A
Z	23XP4	....	Use 23YP4
Z	23YP4	48	40.04
Z	24ADP4	....	Use 24CP4B
Z	24AEP4	46	28.71
Z	24AHP4	40	41.06
Z	24AJP4	44	37.96
Z	24ALP4	....	Use 24AHP4
Z	24ANP4	....	Use 24AEP4
Z	24ATP4	39	48.34
Z	24AUP4	39	38.12

Ship.	Type	Lbs.	EACH
Z	24AVP4	....	Use 24BEP4
Z	24BAP4	34	52.24
Z	24BEP4	36	48.72
Z	24CP4A/B	33	28.71
Z	24DP4/A	....	Use 24AEP4
Z	24QP4*	....	Use 24CP4B
Z	24TP4	....	Use 24CP4B
Z	24VP4/A	....	Use 24CP4B
Z	24XP4*	....	Use 24CP4B
Z	24YP4	....	Use 24AEP4
Z	24ZP4	....	Use 24AEP4
Z	27EP4	....	Use 27RP4A
Z	27GP4*	....	Use 27RP4A
Z	27MP4	42	66.95
Z	27NP4*	....	Use 27RP4A
Z	27RP4/A	62	65.25
Z	27XP4	52	66.14
.....	....	....	....

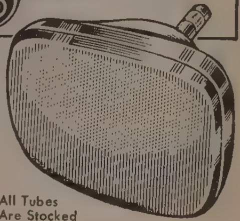
COLOR TV PICTURE TUBES

eliver Vivid Color Images . .
Sharp Black-and-White, Too

Glareproof Screens Reduce
Light Reflections

e more efficient phosphors for greater color ce and sharper pictures. Glareproof screens ally eliminate room light reflections, give picture contrast on both color and black-iite. All materials and parts are brand new, for the envelope, which prior to reuse was ly inspected to meet standards of the original new envelope. RCA or G.E. tubes will be supplied, whichever is in stock at time order is received, unless otherwise specified. All tubes carry a full one-year guarantee. *See facing page for Important Ordering Information—specify full Stock Number. If you wish to return a tube, replacement ship it prepaid. We will ship tube prepaid.*

GUARANTEED ONE FULL YEAR



All Tubes Are Stocked and Ready for Immediate Shipment

Tube Type	Wt., Lbs.	EACH
15GP22	22	123.49
21AXP22	..	Use 21AXP22A
21AXP22A	45	96.20
21CYP22	..	Use 21CYP22A

Ship.	Tube Type	Wt., Lbs.	EACH
Z	21CYP22A	45	95.24
Z	21FBP22	45	101.10
Z	21FJP22	54	111.10
Z	21FKP22		Use 21FJP22

NEW! "HI-LITE" COLOR TV PICTURE TUBES . . RCA'S BEST

ALL TUBES GUARANTEED ONE FULL YEAR

An All-New Series Boasting the Biggest Improvements Ever in the Manufacture of Color Television Picture Tubes

- Each Tube Is Equipped with Rare-Earth Phosphors for the Most Brilliant and Well-Contrasted Color Pictures Ever

ltimate in color presentation, plus sharper B & W pictures. arts are brand new, including the envelope. Each tube has e features of the above tubes, in addition to Rare-Earth hors for greater brightness and truer colors. 21FBP22A is conventional type, other two are bi-panel types with safety shield bonded to tube. Guaranteed one year. *See facing page for Important Ordering Information. If you wish to return a tube, please ship it prepaid. We will ship another tube prepaid.*

ip.	Type	Size	Lbs.	EACH
Z	21FBP22A	21"	45	112.88
Z	21FJP22A	21"	54	124.01

Ship.	Type	Size	Lbs.	EACH
Z	25AP22A	25"	52	162.66
......	....	.....	....	....

RCA COLOR AND BLACK-AND-WHITE TV SERVICING EQUIPMENT

ERVICEMEN'S TIME SAVERS

C Video Multimarker. Provides 7 neous absorption-type markers at frequencies: 0.5, 1.5, 2.5, 3, 3.58, mc. Each marker may be identified hing corresponding contact on case, changes amplitude and position of Connects between IF/VF output p generator and video output cable. t., 1 lb.
6. *$5 Monthly*.............. **32.50**

B RF Modulator. Permits marker or modulation by sweep generator lb.
7.......................... **16.50**

BK TV Bias Supply Kit. Has 3 outputs, ble from 0 to —15 volts. 1½ lbs.
8. In Kit Form................ **11.95**

TV Isotap. Adjustable isolation mer provides outputs of 130, 115, volts at maximum load. 15 lbs.
9. *$5 Monthly*.............. **22.00**

Degaussing Coil. Demagnetizes kine-d chassis. Shpg. wt., 4½ lbs.
0.......................... **10.53**

Kinescope Socket Extension Cable. kinescope tube. Shpg. wt., ½ lb.
1.......................... **7.40**

Deflection Yoke Convergence Ex- able. Shpg. wt., ½ lb.
2.......................... **3.50**

SERVICEMEN'S TIME SAVERS

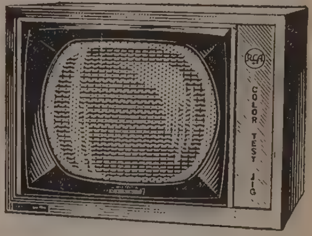
226-X1 Grid Shunt Switch and Cable. For convergence and matrix adjustments. ½ lb.
94 U 203...................... **5.50**

228-X1 Deflection Yoke Extension Cable. Quickly connects to color test jig.
94 U 204. 2 oz.................. **5.25**

13A100 High-Voltage Extension Cable. Extends high-voltage lead to RCA color test jig. 3 oz.
94 U 205...................... **2.50**

WT-115A COLOR CRT TESTER

Compact and exceptionally lightweight, fulfills the need for a unit designed specifically for use with 3-gun color TV tubes. Precision engineered emission tester provides reliable tests by setting up correct cut-off voltage condition for each gun. Checks all 21" color picture tubes currently in use. Laminated vinyl carrying case, compartment for storing cables and leads. Size, 5x6x10". For 105-125 volt, 50-60 cycle AC. 5 lbs.
94 U 195 U. *$5 Monthly*.......... **89.50**



11A1015 Color Test Jig

Simplifies color TV servicing. Takes RCA 21CYP22A tri-color kinescope. Eliminates necessity of removing picture tube from cabinet and of reconverging tube when chassis is returned. Control panel provides dynamic and static convergence. Metal cabinet with safety glass. Instructions, data for use with CTC-4, 5, 7 and 9 chassis. Less tube. 93 lbs. Express.
94 U 194 Z. *$7 Monthly*.......... **135.00**

See pages 402-404 for more of RCA's latest color and black-and-white TV servicing gear.

Special Purpose High Reliability Tubes

WHEN ORDERING:

Be sure to give the full Stock No. of each tube . . . this consists of the Department No. and the Tube Type No., thus: 5UE1-OA2.

DEPARTMENT NO. KEY TO NAMES OF MANUFACTURERS

5UE1 . . . . Radio Corporation of America
5UE2 . . . . Raytheon
5UE3 . . . . General Electric
5UE4 . . . . Amperex
5UE6 . . . . D
5UE12 . . . . Sylvania
5UE18 . . . . Ther
5UE21 . . . . M

Stock No.		EACH
Dept.	Tube Type	
5UE1	OA2	1.32
5UE21	OA2	1.26
5UE1	OA2WA	3.35
5UE1	OA3	1.54
5UE3	OA4G	1.90
5UE12	OA5	6.96
5UE1	OB2	1.37
5UE21	OB2	1.32
5UE1	OB2WA	2.40
5UE2	OB3	2.35
5UE1	OC2	1.50
5UE1	OC3	1.50
5UE1	OD3	1.44
5UE4	OG3/85A2	2.30
5UE1	OZ4A	1.12
5UE2	1AD4	2.80
5UE2	1AG4	5.00
5UE1	1C21	4.15
5UE1	1L4	1.50
5UE1	1P37	5.20
5UE1	1P39	2.50
5UE1	1P40	3.75
5UE1	1P41	4.45
5UE18	2AS15A	10.00
5UE1	2D21	1.29
5UE1	2E24	5.85
5UE1	2E26	3.75
5UE2	2E32	5.00
5UE1	2X2A	3.65
5UE1	3A4	1.25
5UE1	3A5	2.03
5UE1	3B25	9.15
5UE1	3B28	6.60
5UE3	5R4GYA	2.05
5UE1	5R4GYB	2.03
5UE2	5R4WGA	8.75
5UE6Z	5UP1	13.25
5UE12	5Y3WTA	4.05
5UE1	6AK6	1.40
5UE2	6AN5	4.17
5UE2	6AR6	5.75
5UE1	6AS6	3.43
5UE1	6AS7G	4.93
5UE1	6AU6WB	2.70
5UE12	6D4	3.70
5UE4	6DJ8/ECC88	2.13
5UE21X	6EH7/EF183	1.93
5UE21X	6EJ7/EF184	1.78
5UE1	6J4	4.02
5UE1	6J6WA	5.35
5UE12	6SL7WGT	3.15
5UE2	6SN7WGT	2.34
5UE2	6X4W	1.60
5UE1	12A6	3.36
5UE1	12AT7WA	2.53
5UE3	16AQ3	1.40
5UE3	27GB5	1.95
5UE1	28D7	4.95
5UE21	EL34(6CA7)D1	2.55
5UE21	GZ34(5AR4)	2.13
5UE21	EL37(6L6)	3.33
5UE21	EF40	2.23
5UE21	DM70(1M3)	1.03
5UE21	75C1	5.70
5UE21	EABC80(6AK8)	1.78
5UE21	EBF80(6N8)	1.55
5UE21	ECF80(6BL8)	1.88
5UE21	EF80(6BX6)	1.60
5UE21	EZ80(6V4)	.80
5UE4	ECC81(12AT7)	1.43
5UE21	ECC81(12AT7)D1	1.43
5UE21	ECH81(6AJ8)	1.48
5UE21	EM81(6DA5)	1.38
5UE21	EZ81(6CA4)	.98
5UE4	EZ81	.98
5UE4	ECC82(12AU7)	1.15
5UE21	ECC82(12AU7)DI	1.18
5UE21	ECF82(6U8)	1.55
5UE21	ECL82(6BM8)	1.45

Stock No.		EACH
Dept.	Tube Type	
5UE21	UCL82(50BM8)	1.50
5UE21	ECC83 (12AX7)DI	1.20
5UE21	EL84(6BQ5)DI	1.15
5UE21	EM84(6FG6)	1.50
5UE21	UL84(45B-5)	1.43
5UE21	85A1	2.50
5UE21	85A2	2.30
5UE21	ECC85(6AQ8)	1.50
5UE21	EF85(6BY7)	1.63
5UE21	ECL86	1.53
5UE21	EF86(6267)	1.35
5UE21	EL86(6CW5)	1.70
5UE21	UF86	1.73
5UE21	E88CC	4.75
5UE21	ECC88(6DJ8)	2.48
5UE21	EBF89(6DC8)	1.53
5UE21	EF89(6DA6)	1.60
5UE21	90C1	2.25
5UE21	EC90(6C4)	.88
5UE21	EL90(6AQ5)	1.00
5UE21	EZ90(6X4)	.80
5UE21	ECC91(6J6)DI	1.33
5UE21	EF91/6AM6	1.60
5UE21	EF94(6AU6)DI	.98
5UE21	EF95	2.25
5UE21	EL95(6DL5)	1.60
5UE12	E180F	6.80
5UE12	GB407A	5.90
5UE12	GB408A	4.95
5UE1	417A See 5842/417A	
5UE1	502A	2.28
5UE2	510AX	4.50
5UE2	512AX	3.18
5UE2	526AX	5.42
5UE2	533AX	3.32
5UE1	807	3.00
5UE1	809	8.95
5UE1	811A	7.15
5UE1	812A	7.15
5UE1	866A	3.10
5UE4	866AX	2.65
5UE1	868	4.80
5UE1	884	2.28
5UE1	917	7.75
5UE1	918	6.10
5UE1	921	4.00
5UE1	922	3.45
5UE1	923	3.80
5UE1	925	4.45
5UE1	926	4.35
5UE1	927	4.70
5UE1	929	2.60
5UE1	930	3.80
5UE1	934	4.35
5UE1	955	7.05
5UE1	991	1.01
5UE2	1026	4.34
5UE4	ZM1030	9.95
5UE2	1038	8.30
5UE2	CK1047	4.00
5UE2	1054	4.20
5UE12	1222A	2.45
5UE12	1229	5.35
5UE12	GB-1252/6U8A	2.00
5UE21	ME1400	6.10
5UE1	1612	5.77
5UE1	1614	4.93
5UE1	1619	6.23
5UE1	1620	7.55
5UE1	1621	3.85
5UE1	1622	5.35
5UE1	1624	7.50
5UE1	1625	5.15
5UE1	1629	2.04
5UE1	1635	4.20
5UE1	2050	2.37
5UE1	4478	107.00
5UE1	4488	125.00

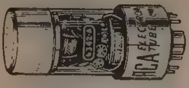
Stock No.		EACH
Dept.	Tube Type	
5UE3	2050A	2.25
5UE2	2050W	7.50
5UE2	5517	3.80
5UE1	5557	9.50
5UE1	5581	3.65
5UE1	5582	5.50
5UE1	5583	5.20
5UE1	5642	3.82
5UE1	5651	1.78
5UE1	5653	2.80
5UE1	5654	2.41
5UE1	5654/6AK5W/6096	2.45
5UE3	5663	2.10
5UE1	5670	2.45
5UE1	5670WA	2.45
5UE2	5672	2.27
5UE2	5676	3.05
5UE2	5678	2.27
5UE1	5686	3.37
5UE3	5687	4.00
5UE3	5687WA	5.70
5UE1	5691	8.75
5UE1	5692	8.25
5UE1	5693	6.60
5UE1	5696	1.95
5UE2	5702	4.20
5UE2	5703	2.65
5UE1	5718	3.65
5UE1	5725	3.15
5UE3	5725/6AS6W	3.15
5UE1	5726/6AL5W	1.55
5UE1	5727	2.90
5UE1	5749	2.20
5UE3	5749/6BA6W	2.20
5UE1	5750	3.45
5UE1	5751	2.55
5UE1	5751WA	2.55
5UE2	5755	8.45
5UE1	5763	2.53
5UE1	5814A	2.35
5UE1	5823	1.72
5UE3	5824	3.60
5UE1	5840	5.35
5UE1	5842/417A	7.35
5UE3	5844	2.30
5UE12	5845	9.95
5UE4	5847	9.55
5UE1	5876	8.60
5UE3	5879	2.60
5UE3	5881	3.50
5UE3	5881MP	7.85
5UE2	5886	5.00
5UE1	5899	5.55
5UE1	5902	4.80
5UE1	5915	1.62
5UE1	5963	1.36
5UE1	5964	1.55
5UE1	5965	1.92
5UE3	5965A	1.90
5UE1	6005	3.93
5UE4	6007	1.72
5UE1	6012	7.65
5UE1	6021	3.50
5UE1	6072	3.90
5UE3	6072A	3.90
5UE1	6073	3.00
5UE1	6074	3.45
5UE1	6080	5.33
5UE1	6080WA	10.80
5UE1	6082	5.60
5UE3	6087/5Y3WGTB	5.75
5UE2	6088	2.75
5UE1	6101	5.35
5UE1	6111	3.70
5UE1	6112	4.15
5UE1	6136	2.70
5UE1	6146A	4.35
5UE1	6146B/8298A	5.20

Stock No.	
Dept.	Tube Type
5UE1	6146W/7212
5UE1	6159
5UE1	6159/7357
5UE1	6186/6AG5WA
5UE1	6189/12AU7WA
5UE1	6197
5UE1	6201
5UE3	6202
5UE3	6203
5UE1	6211
5UE3	6211A
5UE3	6216
5UE3	6265
5UE4	6267 EF86
5UE1	6293
5UE1	6350
5UE4	6360
5UE4	6360A
5UE1	6386
5UE2	6397
5UE1	6417
5UE2	6418
5UE3	6463
5UE2	6485
5UE1	6550
5UE1	6550MP
5UE1	6626/OA2WA
5UE1	6661/6BH6
5UE1	6663/6AL5
5UE1	6677/6CL6
5UE1	6678/6U8A
5UE1	6679/12AT7
5UE1	6680/12AU7A
5UE4	6688A
5UE1	6883
5UE1	6922
5UE4	6922M
5UE4	6922/E88CC
5UE4	6977
5UE21	7025
5UE3	7044
5UE1	7054
5UE1	7055
5UE1	7056
5UE1	7059
5UE1	7060
5UE1	7061
5UE4	7062
5UE4	7119
5UE3	7167
5UE21	7189
5UE3	7233
5UE3	7239
5UE21	7247
5UE4	7308
5UE4	7316
5UE1	7360
5UE1	7551
5UE1	7558
5UE1	7586
5UE1	7587
5UE3	7716
5UE2	7732
5UE4	7737
5UE1	7895
5UE1	7898
5UE1	7905
5UE3	7984
5UE1	8008
5UE1	8032
5UE1	8056
5UE3	8068
5UE12	8100
5UE3	8136
5UE4	8228
5UE1	9001
5UE1	9002
5UE1	9003

Experimenter's Components and Kits, Rectifiers

MULTIPLIER PHOTOTUBES

1P21, 1P28, 931-A


6342-A

ve multiplier phototubes that operate with very low light
Their current gain, frequency response and linearity make
leal for scientific measuring gear and similar uses.

-stage type for uses involving extremely low light levels. S-4
l response. Supply volts between anode and cathode, 1000
Sensitivity: radiant microamps/microwatt, 78,000; luminous
umen, 80. Size, 3⅛x1¹³⁄₁₆", less pins. Small-shell submagnal
base (JEDEC B11-88).

-stage type for uses involving very low ultraviolet radiation
S-5 spectral response. Sensitivity: radiant μa/μwatt, 61,800;
us amps/lumen, 50. 3⅛x1¹³⁄₁₆", less pins. 11-pin base (JEDEC
).

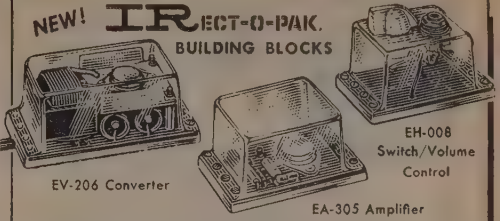
)-stage type for use in light-operated relays, X-ray exposure
and facsimile transmission. S-4 spectral response. Sensi-
radiant μa/μwatt, 24,000; luminous amps/lumen, 24. 3⅛x
ess pins. 11-pin base (JEDEC B11-88).

10-stage, head-on, flat-face type with focusing electrode.
lly useful for fast coincidence scintillation counting. S-11
l response. Sensitivity: radiant μa/μwatt, 11,000; luminous
umen, 14. 4⅞x2", less pins. Medium-shell diheptal 14-pin
EDEC B14-38).

k No. Type	Supply Volts Between Anode and Cathode	Current Amplification	Max. Equiv. Anode Dark Current Input Lumen	Equiv. Noise Input Lumen	Wt. Oz.	EACH
P21	1000	$2x10^{6}$	$5x10\ ^{10}$	$5x10^{-3}$	3	54.50
P28	1000	$1.25x10^{6}$	$1.25x10^{-9}$	$7.5x10^{-13}$	2	21.60
31-A	1000	$0.8x10^{6}$	$2.5x10^{-9}$	$9.5x10^{-13}$	3	12.40
342-A	1250	$1.75x10^{5}$	$2x10\ ^{9}$	$7x10^{-12}$	14	57.20

l stocks a full line of multiplier, gas and vacuum
hototubes. Write for prices on types not listed.

NEW! IRECT-O-PAK BUILDING BLOCKS



- No Soldering Required, All You Need Is a Screwdriver
- Solid-State Modules Assemble Into Numerous Practical Projects
- Public Address Amplifier
- Amplified Baby-Sitter
- Deluxe Intercom
- Telephone Amplifier
- Guitar Amplifier

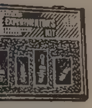
Solid-state circuits in plastic housings for use as building blocks for intercom, P.A., baby-sitter and other projects. Safe and sensible, 6-v. operated. No soldering, only a screwdriver is required for assembly. All IRect-O-Paks are compatible with each other, add-on as desired. Intercom requires ER-305 amplifier, power supply (EV-206 or 4 "D" batteries), switch/volume control (EH-008 or other), any small PM speaker, and crystal mike. For P.A. system, add a crystal mike, standard phone plug and jack. Or a guitar mike for guitar amplifier. Add a telephone inductor coil and you have a telephone amplifier. The original outfit with a second speaker makes a baby-sitter.

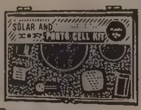
EV-206 AC TO DC CONVERTER ONLY. Converts 115-v. AC to safe 6 v. DC. Voltage-regulated, with less than 50 millivolts of 120-cps ripple. Rated 3 watts, continuous. May be used as trickle charger for rechargeable batteries. With 5-ft. cord and plug. 2x4½x2". Shpg. wt., 1 lb.
39 U 040..**14.95**

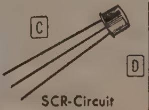
EA-305 AMPLIFIER ONLY. 3-stage, high-gain, Class A—for intercom, amplified baby sitter, telephone amplifier, guitar amplifier, public address amplifier, other projects. Delivers 70 mw @ 30/45 ohms, 260 MW @ 8. Response, 250-15,000 cycles. Requires EV-206 or batteries. 2x3½x2". 6 oz.
39 U 041..**8.95**

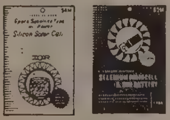
EH-008 ON-OFF/VOLUME CONTROL ONLY. 2½x3½x2". 4 oz.
39 U 042..**95¢**

IR SCR KIT, SOLAR AND PHOTOCELLS AND KITS, TRANSISTOR


SCR Kit


B K-421 Photocell Kit


C
SCR-Circuit Transistor


D
Experimenters Cells

505 SCR EXPERIMENTER KIT

assortment of four silicon-controlled
s for use as voltage regulators, in
ranges from 50 to 200 volts at
current ratings from 1.5 amps to
rms. An unusual value for schools,
pries and experimenters. An invalu-
aching aid, encourages experimenta-
th silicon controlled rectifiers. Kit
with 18-page booklet describing 12
al projects and experiments. Shpg.
bs.
..............................**7.95**

421 SOLAR AND PHOTOCELL KIT

assortment of seven cells: three
n photocells, two silicon solar cells,
o cadmium sulphide. Includes an
ion manual with circuit diagrams
periments, plus a 24-page handbook
lditional projects. An ideal project
chools, hobbyists and experimenters.
vt., 2 lbs.
6..............................**5.95**

Special-value package contains four
n photocells with outputs from ⅓ to
and 0.5 to 3 ma in bright sunlight.
ative 24-page manual included.Wt.,

7..............................**99¢**

C UNIJUNCTION TRANSISTOR

Provides accurate timing and triggering for SCR circuits. Rating: 400 milliwatts, 30 volts maximum. 2 oz.
2N2160..............................**1.49**

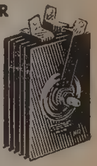
D EXPERIMENTER TYPE PHOTOCELLS

- For Powering Transistor Radios from Sunlight
- Operating Small Motors
- For Light Meters

Low-priced cells for the experimenter. Easy to mount and connect. These cells and sun batteries may be used for powering transistor radios, building light meters, operating small motors from sunlight, other uses. Selenium cells (B2M, B3M) have spectral response similar to human eye, are used extensively in light meters. Silicon cells (S1M, S3M, S5M) have higher light conversion efficiency. Mounted in molded plastic cases, except B2M, which has mounting bracket. Size, 1⅛x1⅛x³⁄₁₆", except B2M, ½x¾" cell size. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Desc.	Output Volts	Output Ma	EA.
7U876	B2M	Selenium	0.2-0 4	2	1.50
7U877	B3M	Selenium	0.2-0.4	1.5-2.5	1.75
7U879	S1M	Silicon	0.3-0.4	10-16	2.25
6U494	S3M	Silicon	0.6-0.85	10-16	3.95
6U495	S5M	Silicon	0.6-0.85	18-25	4.95

IOR BATTERY CHARGER RECTIFIER



Fits 90% of Auto Battery Fast-Chargers

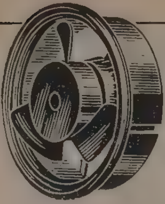
BCR-100. Replacement rectifier for automobile battery fast-chargers. Fits over 90% of all fast-chargers. Delivers 30 amps with free-air cooling and 100 amps with 800 LFM forced-air cooling. 1 lb.
BCR-100..........**15.00**

Fenwal THERMISTOR AND INSTRUCTIONS

- Remote Temperature Indicator Schematic
- Liquid Level Control, Delay Circuits

Thermistor mounted on card, with instructions and schematic for use as a remote temperature indicator, liquid level control or time delay relay. 135 ohms at 25° C. 1 mw/°C dissipation constant. 25 seconds still-air time constant, 0.3 seconds in rapidly sitrred water. The resistance of a thermistor is related to its temperature—as temperature goes up, resistance goes down. As a remote temperature indicator, temperature changes cause resistance and resultant current changes which can be read on a remote thermometer. As a liquid level control the thermistor drops out a relay at the desired level. Shpg. wt., 2 oz.
6 U 615..............................**1.00**

Fans, Frigistors, Flashtubes, and Warning Device



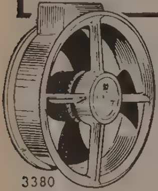
ROTRON

NEW LOW-COST *Skipper*® COOLING FAN

- Circulates 100 CFM Free Delivery
- Max. Ambient Temperature: 140° F.
- Reversible Airflow for Direct Cooling or Exhaust Ventilation

Offers extensive cooling for computers, office equipment, Ham and CB gear, office copying equipment and sound systems at low-cost. Circulates 100 CFM free delivery. Recommended for ambients not to exceed 140° F. Reversible airflow. Molded polypropylene venturi, die-cast aluminum motor. 5³⁄₁₆" dia., 1¹³⁄₁₆" depth. Solder terminals. For 110-120 v., 60 cycle AC. Shpg. wt., 1 lb.

9 U 766. SKP-2 Skeleton Fan. Less Venturi......7.40
8 U 715. SKR-2 Venturi Fan. With Frame.........7.90

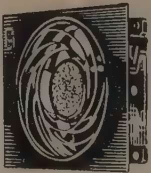


FEATHER® FAN

Circulates a large volume of air in limited-space areas requiring a shallow fan. Delivers 270 CFM. Ambient temperature range: −55° C. to +65° C. Clamp-on rim mounting provides reversible airflow. Tinned brass terminals. High-impact Lexan plastic construction. 7" dia., 2⁷⁄₁₆" depth. Less cord and plug, below. For 115 v., 50-60 cycle AC. 1½ lbs.

8 U 593......................Each 34.00

7 U 246. Filter Box. For "Feather" Fan. 8 oz...........Each 8.30
8 U 591. Type 14559 Rim-Mount Finger Guard. 3 oz.......Each 3.65
8 U 592. Type 14651 Panel-Mount Finger Guard. 3 oz.....Each 3.65
7 U 247. Type 16410 Mtg. Clamps. (Uses 3). 2 oz.......Each .05
7 U 070. Type 14611 Panel-Mount Guard Clip (Each guard uses 3). Shpg. wt., 2 oz.......Each .30
9 U 393. Type 16398 Plug and Cord Assembly. 2 oz.......Each .80
7 U 071. Type 18440 Cartridge Filtercoat. 3 oz........Per Can 1.00



Circulates 100 CFM at only 42 db

ROTRON

65 CFM at Only 18 db

A MUFFIN® FAN

Uses an original aerodynamic design to effectively cool, di
or ventilate. Only 4¹¹⁄₁₆" square and 1½" deep—small en
hi-fi, communications and sound equipment as well as all
office equipment. Lightweight—only 1¼ lbs. Circulates 1
at 42-db noise level. Reversible airflow. Ambient tem
range: 0°-160° F. Frame is made of high-impact phenoli
Available as skeleton fan (spider rotor and motor) or ven
(frame only, frame and grille, or frame, grille and filter
Venturi fans mount by means of through-holes. For 115
cycle AC. Shpg. wt., 12 oz.

8 U 599. Skeleton Fan..............................Eac
8 U 597. Venturi Fan. With frame. 15 oz..............Ea
8 U 596. Grille Fan. With frame, grille. 1¼ lbs........Ea
8 U 598. Filter Fan. With frame, grille, filter. 1¼ lbs...Ea

B SUPER-QUIET WHISPER® FAN

Silently circulates 65 CFM of cool air at a noise level of only
so quiet, you have to look to tell if it's running. Perfect fo
away component-damaging heat in hi-fi components, con
tions gear, tape recorders, commercial sound systems an
graphic projection equipment. Helps components to las
perform better. Only 4¹¹⁄₁₆" square and 1½" deep. Rever
flow. Frame is made of high-impact phenolic plastic. Op
1800-rpm nom.; draws only 8 watts. Available as skel
(spider rotor and motor) or venturi fans, below. For operat
115 v., 50-60 cycle AC. Shpg. wt., 12 oz.

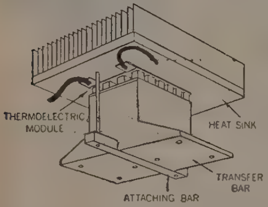
9 U 400. Skeleton Fan..............................Eac
8 U 611. Venturi Fan. With frame. 1 lb................Ea
8 U 610. Grille Fan. With frame, grille. 1¼ lbs.........Ea
8 U 612. Filter Fan. With frame, grille, filter. 1¼ lbs...Ea
82 U 031. "Whisper" Fan Kit. With cord & plug. 2 oz...Ea

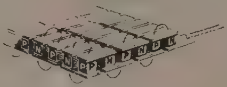
ACCESSORIES FOR MUFFIN AND WHISPER FANS

8 U 613. Type 15449 Filter Fan Conversion Kit. Includes filter, frame and clips. Shpg. wt., ¼ lb.......Each 2.30
8 U 614. Type 16238 Standard Spiral Grille. 2 oz........Each .80
9 U 401. Type 17826 Expanded Metal Grille. 3 oz......Each .80
8 U 615. Type 13996 Mounting Clips. 2 oz............Per Pair .20
9 U 402. Type 14099 Finger Guard. 2 oz..................Each 1.00
8 U 616. Type 16415 Plug and Cord Assembly. 2 oz.......E
8 U 619. Type 15448 Filter Cart. for Muffin Fan. 2 oz......E
7 U 071. Type 18440 Filtercoat for Above Cart. 3 oz......E
7 U 072. Type 13967 Filter Frame. 2 oz.....................E
8 U 618. Type 19263 Oiler Kit. 3 oz.......................E
8 U 617. Type 19263-4 Lubricant for Oiler Kit. 2 oz.......E

FRIGISTORS LTD.

THERMOELECTRICITY DEMONSTRATION SET





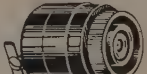
- Contains All Necessary Parts
- Pumps 100 BTU's Per Hour
- Operates from Std. AC Outlet

Thermoelectric Frigistor Solid-State Cooling Module

Complete set, containing all essential parts for an effective demonstration of the Peltier effect in thermoelectricity. Excellent for use in classroom and lab. **Includes: one 12-couple module package, one transfer bar, one finned heat sink, one fan and attaching hardware package and one basic power supply.** Module package consists of 12 couples of solid-state cooling devices connected electrically in series, with all cold junctions arranged on one face and all hot junctions on the other face. Direct current literally pumps heat from one face to the other, making one side cold and the other hot. The effect can be reversed by changing the direction of DC. A 12-couple, 30-amp module pumps a maximum of about 100 BTU's per hour (24 watts) from room temperature. The cooling capacity can be continuously controlled by varying the current. In itself, the module is capable of refrigerating a ⅓ cu. ft. insulated box, and can be expanded easily by adding more modules. It employs no moving parts or corrosive fluids. DC power supply operates from 110 volts, 60 cycle AC. With instructions for easy assembly, literature on module performance and fundamentals of thermoelectricity and 3-D model of the thermoelectrical cooling equation. Shpg. wt., 35 lbs.

9 U 361. *$6 Monthly*..............................105.00

SONALERT® by *ELECTROPA*



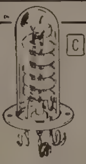
MINIATURE SOLID-ST
AUDIBLE WARNING DE

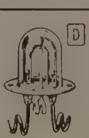
Emits very discernible signal a
mum current. Operates at —
+130° F. Av. shpg. wt., 2 oz.

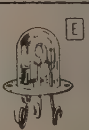
Stock No.	Mfr's Type	Freq.	Volts	Ma	Db	E
8 U 983	SC628	2.5 kc	6-28DC	3-14	68-80	4
8 U 984	SC628H	4.5 kc	6-28DC	3-14	68-80	4
8 U 985	SC628A	2.5 kc	6-28AC/DC	3-14	68-80	7
8 U 986	SC110	2.5 kc	110AC	14	80	7

amglo

HD SERIES REFLECTIVE FLASHBULBS


C


D


E

F

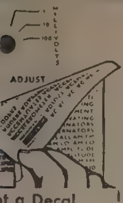
Xenon-filled pyrex flashtubes with reflective disc in place
tube base and socket. Provide up to 100,000 flashes. *Ener
in watt-seconds. Av. shpg. wt., 3 oz.

Stock No.	Type	Fig.	Des'ption	Input*	VDC
9 U 380	HD-1	D	U-shaped	30-200	160-300
7 U 913	HD-2	E	Helical	30-200	350-500
9 U 381	HD-4	C	Helical	30-300	2000-2500

F **7 U 914.** ST-25 Ignition Coil. For above. Peak sec. v.,
100-180 v. pri. ¾×½" dia. Wt., 9 oz.................

Graphic Art, Breadboard Kits for Electronics

ATAK instant lettering KITS



ot a Decal
oks Like
Printing

The easy way to mark electronic equipment. "Letraset" can be applied to any surface: wood, paper, glass, metal, plastic . . . even crackle finished metal. Simple to apply. Just place dry-transfer sheet on surface to be marked, rub ball-point pen or soft pencil over sheet, lift away sheet. Not a decal. Needs no water or tapes, goes on instantly. Clean, sharp, opaque result looks like printing. Leaves no background haze or film. Sets are available with 95% of the words, individual letters and numerals used in electronic panel marking. In multiples of 100, on 3x5″ sheets. Av. wt., 4 oz.

ock o.	Mfr's Type	No. of Sheets	Set Contains	Color	PER SET
780	958	24	Words, letters, numerals.	Black	4.95
781	959	24	Words, letters, numerals.	White	4.95
782	960	12	Alphabet only.	Black	2.50
783	961	12	Alphabet only.	White	2.50
784	962	12	Numerals only.	Black	2.50
785	963	12	Numerals only.	White	2.50

KEPRO PL-2A PHOTO LAYOUT KIT

Mechanical negative and pressure-sensitive characters greatly reduce layout time. Errors are easily corrected. With materials sufficient for two 8x10″ sheets of artwork. 1 lb.
11 U 139 . . . . 3.95

PHOTO LAYOUT SUPPLIES

No.	Mfr's Type	Description	EA.
75	MN-1212	12x12″ Mechanical Negative	1.25
76	AS-3	Acetate Layout Film (18x24″; .005″ thick)	1.15
00	TC125-031	Terminal Circles ⅛″ O.D. (112 per card)	.50
02	TC250-062	Terminal Circles ¼″ O.D. (96 per card)	.50
09	TC500-125	Terminal Circles ½″ O.D. (42 per card)	.50
12	CSR062	Strips 1/16″ wide (Pkg./3; 18 yds. per roll)	2.40
17	CSR125	Strips ⅛″ wide (Pkg./2; 18 yds. per roll)	1.60
21	CSR250	Strips ¼″ wide (Pkg./2; 18 yds. per roll)	1.80
84	AT-810	Pressure Sensitive Letters and Numerals on transparent base (3 sizes, 4 fonts)	2.50

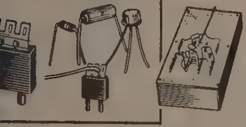
KEPRO FK-701 PHOTO-REVERSING KIT

Prepares line negatives, positives from artwork; reverses existing negatives and positives. With two 10x24″ sheets reversing film, developer. Shpg. wt., 1½ lbs.
13 U 810 . . . . 7.20

1. Extra Rev. Film. 10x24″ sheet. 2 oz. 3.00
.2. Extra RFD-2 Film Developer. 2 oz. . . . . 60¢

CKEYE

READBOARD CIRCUIT KIT

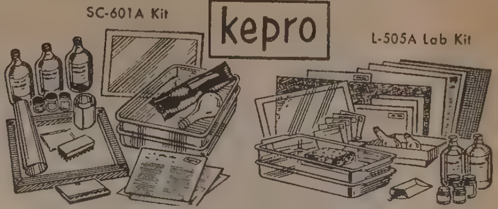


KIT. For transistor circuit devel-
ent. 2x5x11″ perforated board.
T-3 and ten T-3S (electrically
ced) solderless connectors. Shpg.
2½ lbs.
924 . . . . 8.95

0 DC SUPPLY. (Not Illus.) Tran-
regulated. Dual outputs: 0-15
, ±10% @ 300 ma. Size, 4x5x7″.
. wt., 3½ lbs.
925 . . . . 49.95

926. Extra T-3 Connectors. Pkg.
. Shpg. wt., 4 oz. 6.00

927. Extra T-3S Connectors. Pkg.
. Shpg. wt., 2½ oz. 3.00



NEW SC-601A SILK SCREEN KIT

All necessary materials for producing three silk screens with print area up to 7x9″ each. Produces lacquer-resistant, film-type photo stencils. Designed for screen printing production quantities of etched circuit boards, name-plates, instrument panels, or decorative printing. Kit includes: 10x12″ screen frame with silk; two 14x16″ screen silks; pkg. of three 8x10″ stencil film; #2 photoflood lamp; stencil developing and hardening chemicals with trays; 8½x11½″ print frame; thermometer; black and white screening inks; plus all needed accessories. Supplied with detailed instructions. Shpg. wt., 13 lbs.
11 U 142 U 35.00

L-505A PRINTED-CIRCUIT LAB KIT

Handles P. C. board requirements from prototypes through short production runs. Contains: 15 assorted photo-sensitized, copper-clad phenolic XXXP boards; trays; safelight; photoflood lamp; printing frame; PL-2A layout kit; mechanical negative; etching and developing solution; a resist marking pen; an eyelet assortment; cleaning pad; instructions. Processing equipment handles boards to 70 sq. inches. Shpg. wt., 18¾ lbs.
11 U 105 U 34.75

L-505A-G. Above, but with G-10 glass epoxy boards instead of XXXP boards. Shpg. wt., 19½ lbs.
13 U 990 U 42.95

ETCHED CIRCUIT KITS

P-101A PROFESSIONAL KIT. Negative of layout can be produced photographically or mechanically with materials supplied. Contains: three sheets of sensitized XXXP phenolic board (two 3x6″, one 3x3″); two sheets mechanical negatives; trays; accessories; solutions. Complete with detailed instructions. Shpg. wt., 3 lbs.
11 U 109 . . . . 5.85

P-101A-G PROFESSIONAL KIT. As above, but has G-10 glass epoxy boards. Shpg. wt., 3 lbs.
13 U 991 . . . . 7.40

S-101A STANDARD KIT. A low-cost etching kit for basic circuits. Resist is applied with resist pen or tape to XXXP phenolic copper-clad sheet, then etched. Perforated component mounting panel. Processes three 3x6″ panels. Wt., 2 lbs.
11 U 119 . . . . 3.95

S-101A-G STANDARD KIT. As above, but has G-10 glass epoxy boards. Shpg. wt., 2 lbs.
13 U 992 . . . . 5.25

KEPRO NAMEPLATE KITS

NP-303A ENAMEL KIT. Produces sharply detailed aluminum letters on blue enamel background. Simple 4-minute photo process. Kit includes two sheets 8x10x.007″ sensitized plate. Accessories and solutions. Full instructions. Shpg. wt., 1 lb.
11 U 141 . . . . 7.25

NP-404 ANODIZED ALUMINUM KIT. Produces detailed aluminum lettering permanently etched into black anodized background. Kit includes three 3x6x.025″ plates, accessories, solutions. With complete instructions. Shpg. wt., 1½ lbs.
11 U 144 . . . . 6.55

MICRO-CIRCUITS KIT

MODEL S-21. Lets you paint your own electronic circuit. Includes: brush; silver-conducting paint; low, medium, high and very high-resistance paints; insulating lacquer; solvent brush cleaner; "Design and Repair of Printed Circuits" manual, other literature. Full instructions. Shpg. wt., 1¾ lbs.
11 U 146 . . . . 23.11

EXTRA KEPRO PC KIT SUPPLIES

Materials for replacement use in Kepro PC kits or for those already engaged in printed circuit development. All sheets listed have .00135″ thick copper coating; foil on both sides, except *have coating on one side only. 5 sheets per pkg. Av. shpg. wt., of sheets, ½ lb.; 2-oz. solutions, 6 oz.; pint solutions, 3 lbs. †Prices are each.

G-10 1/16″ GLASS EPOXY SHEETS

Stock No.	Type	Description	Size	Per Pkg
13 U 965	S1-335G	Light sensitive*	3x3″	3.70
13 U 966	S1-365G	Light sensitive*	3x6″	6.65
13 U 970	S2-335G	Light sensitive	3x3″	4.55
13 U 971	S2-365G	Light sensitive	3x6″	8.15

XXXP 1/16″ PHENOLIC SHEETS

13 U 941	P1-365PB	Perf. Unsen.*	3x6″	2.40
13 U 943	P2-365	Perf. Unsen.	3x6″	2.55
13 U 945	S1-335	Light sensitive*	3x3″	2.15
13 U 946	S1-365	Light sensitive*	3x6″	3.55
13 U 952	S2-365	Light sensitive	3x6″	5.05

CHEMICALS†

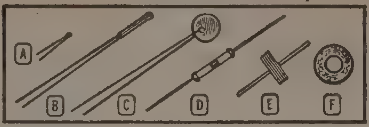
11 U 673	RMP-700	Resist pen	2 oz.	.75
11 U 674	R-2	Paint resist	2 oz.	.60
11 U 675	T-2	Resist thinner	2 oz.	.50
11 U 676	D-1PT	Developing sol.	Pint	1.15
11 U 677	E-1PT	Etch. solution	Pint	.85

Thermistors, Heat Sinks, Transistor Mountings

THERMISTORS By FENWAL ELECTRONICS, INC.

In a Wide Variety of Styles

For All Job Requirements



Use glass-coated bead thermistors where fast response, precision and operation in temperatures up to 600°F are required. Medium-small glass probes are similar, but are more rugged and mount more easily. Discs are used for medium power and time response, for temperatures up to 125°C. Rods and washers are ideal for high dissipation applications; operate in temperatures up to 150°C. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Fig.	Style	Ohms @ 25°C	Res. Ratio 0°C: 50°C	EACH
8 U 621	GD25J1	A	Bead	500	5.1:1	3.24
8 U 622	GB31J1	A	Bead	1000	7.3:1	2.70
9 U 911	GB32J2	A	Bead	2000	7.3:1	2.70
8 U 623	GB35J1	A	Bead	5000	7.3:1	3.24
8 U 624	GB41J1	A	Bead	10K	7.5:1	3.24
8 U 625	GA45J1	A	Bead	50K	10.3:1	2.67
9 U 909	GA51J1	A	Bead	100K	10.3:1	2.70
7 U 113	GA52J2	A	Bead	200K	10.9:1	2.70
8 U 626	GA55J1	A	Bead	500K	11.8:1	3.24
7 U 114	GA61J1	A	Bead	1000K	14.0:1	3.78
8 U 627	GB31P2	B	Probe	1000	7.3:1	2.00
8 U 628	GB32P2	B	Probe	2000	7.3:1	2.00
9 U 912	GB32P8	B	Probe	2000	7.3:1	2.35
8 U 629	GB34P2	B	Probe	4000	7.3:1	2.00
8 U 630	GB41P2	B	Probe	10K	7.5:1	2.40
8 U 631	GB42P2	B	Probe	20K	7.5:1	2.40
7 U 116	GA45P2	B	Probe	50K	10.3:1	2.20
9 U 910	GA51P2	B	Probe	100K	10.3:1	2.00
9 U 967	GA51P8	B	Probe	100K	10.3:1	2.35
8 U 632	GA52P2	B	Probe	200K	10.9:1	2.00
8 U 633	GA55P2	B	Probe	500K	11.8:1	2.40
8 U 634	GA61P2	B	Probe	1000K	14.0:1	2.80
8 U 635	JB25J1	C	Disc	500	6.9:1	1.00
8 U 636	JB31J1	C	Disc	1000	6.9:1	1.00
8 U 637	JA33J1	C	Disc	3000	9.1:1	1.00
9 U 975	JA35J1	C	Disc	5000	9.1:1	1.00
7 U 118	JA38J1	C	Disc	8000	9.1:1	1.00
8 U 638	JA41J1	C	Disc	10K	9.1:1	1.00
8 U 639	KB21J1	C	Disc	100	6.9:1	.85
8 U 640	KB22J1	C	Disc	200	6.9:1	.85
8 U 641	KB23J1	C	Disc	300	6.9:1	.85

Stock No.	Mfr's Type	Fig.	Style	Ohms @ 25°C	Res. Ratio 0°C: 50°C
8 U 642	KB25J1	C	Disc	500	6.9:1
9 U 914	KA31L1	E	Disc	1000	9.1:1
7 U 119	KA33J1	C	Disc	3000	9.1:1
8 U 643	KA35J3	C	Disc	5000	9.1:1
8 U 644	LB12J2	C	Disc	18.6	6.9:1
7 U 120	LB15J1	C	Disc	50	6.9:1
9 U 915	LB21J1	C	Disc	100	6.9:1
8 U 645	LB22L1	E	Disc	200	6.9:1
8 U 646	LA25L2	E	Disc	500	9.1:1
8 U 647	LA31J1	C	Disc	1000	9.1:1
8 U 648	MB13J1	C	Disc	25	6.9:1
8 U 649	MA21J1	C	Disc	100	9.1:1
8 U 650	NB11J1	C	Disc	10	6.9:1
8 U 651	NA21J1	C	Disc	100	9.1:1
8 U 652	NA22J1	C	Disc	250	9.1:1
8 U 653	QB41J1	D	Rod	10K	7.1:1
9 U 916	QA51J1	D	Rod	100K	9.1:1
9 U 917	RB33L1	D	Rod	3150	7.1:1
9 U 918	RB41L1	D	Rod	10K	9.1:1
9 U 878	RA43L1	D	Rod	31.5K	9.1:1
8 U 654	RA51L1	D	Rod	100K	9.1:1
8 U 655	TB31L1	D	Rod	10K	7.1:1
8 U 656	TA45L1	D	Rod	50K	9.1:1
9 U 925	WB11W1	F	Washer	10	6.9:1
9 U 919	WA21W1	F	Washer	100	9.1:1
8 U 686	WA23W1	F	Washer	315	9.1:1

THERMISTOR ENGINEERING PACKAGE

Includes handy resistance-temperature computer card and th
manual that gives specifications of all thermistors.
9 U 877........**No charge when requested with your nex**

EXPERIMENTER'S THERMISTOR KITS

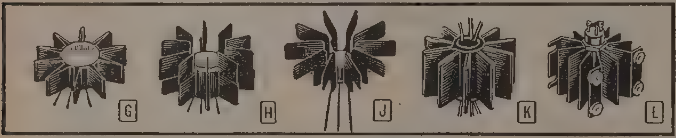
See cut at upper left for illustrations of kit items. Beads are
probes, Fig. B; discs, Figs. C and E; rods, Fig. D; washers, Fig

Model G-200. Contains 12 different thermistors (2 glass probes,
2 discs, 3 rods, 2 washers). Each thermistor is packed with spe
sheets showing complete operating characteristics—resistance-
ture curves, etc. Wt., 1½ lbs.
9 U 926..

8 U 658. G-700 Economy Kit. Includes 4 glass beads and pro
variety of basic applications. Complete with manual and th
data-and curve computer..............................

8 U 659. G-701 Economy Kit. Includes 10 glass beads and
in a wider range of resistance values. With manual and th
data-and-curve computer..............................

WAKEFIELD ENGINEERING SEMICONDUCTOR COOLERS



Milliwatt Transistor Coolers for na
forced convection conditions. *For TO
28.† TO-5, 9, 11, 12, 16, 29, 33, 39
‡TO-8. Types 222 and 224 for 2 tra
Radial Rectifier Coolers are natural
tion coolers for press-fitted or stu
(to 1⅟16″ hex) rectifiers and transistor
dissipation at 40°C case temperatu
NC301, 7.5 watts, NC302, 11 w., NC3
Av. shpg. wt., 5 oz.

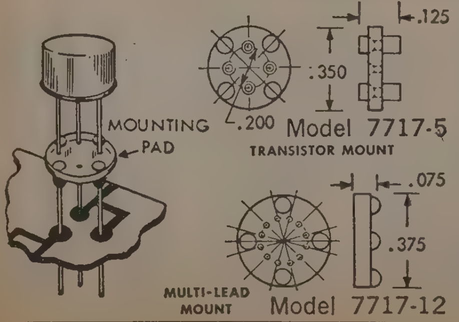
FEATHERWEIGHT UNITS FOR MILLIWATT TRANSISTORS

Stock No.	Mfr's Type	Fig.		Diameter Inches	Length Inches	Fits Case Diameter (In.)	EACH
6 U 527	NF201	*	G	.64	.19	.161/.24	.27
6 U 528	NF203	*	H	.64	.38	.161/.24	.29
6 U 529	NF205	†	G	.72	.19	.275/.370	.27
6 U 530	NF207	†	H	.72	.38	.275/.370	.29
6 U 531	NF209	†	J	1.28	.44	.275/.370	.34
7 U 074	NF211	‡	G	.83	.19	.440/.544	.27
7 U 073	NF213	‡	H	.83	.38	.440/.544	.29
7 U 075	NF215	‡	J	1.40	.44	.440/.544	.34
7 U 042	NF222	*	K	.64	.38	.161/.240	.38
7 U 043	NF224	†	K	.72	.44	.275/.371	.38
6 U 532	160 Installation tool for Models 201, 3, 5, 7, 9..........1.00						
8 U 921	161 Installation tool for Models 211, 13, 15..............1.00						

L RADIAL RECTIFIER COOLERS

Stock No.	Mfr's Type	Height (Inches)	Width (Inches)	Depth (Inches)
7 U 077	NC301M	.75	2.00	2.00
7 U 078	NC301N			
7 U 079	NC301R			
7 U 080	NC301RR			
7 U 082	NC302M	1.50	2.00	2.00
7 U 083	NC302N			
7 U 084	NC302R			
7 U 085	NC302MM			
7 U 087	NC302RR			
7 U 089	NC303M	3.00	2.00	2.00
7 U 090	NC303N			
7 U 091	NC303R			
7 U 093	NC303RR			

THERMALLOY TRANSISTOR MOUNTINGS



Low-cost Thermalloy mounting pads offer an economical way to protec
sistors and integrated circuits from shock and vibration. Achieve unifor
ing above printed circuit boards. Made of white nylon. 10 per package.

TRANSISTOR MOUNTING PADS

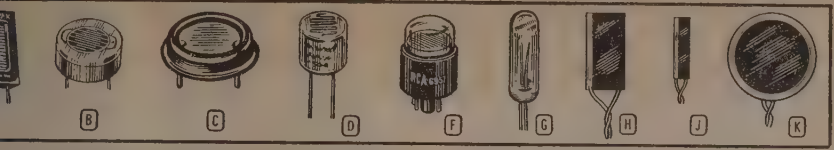
Stock No.	Mfr's Type	Case Type	O. D. In.	Thick. In.
94 U 437	7717-3	TO-5	.350	.075
94 U 438	7717-5	TO-5	.350	.125
94 U 439	7717-26	TO-18/TO-5 Converter	.343	.120
94 U 440	7717-18	TO-18	.200	.100
94 U 441	7717-44	TO-18/TO-5 Converter	.305	.125
94 U 442	7717-7	TO-18/TO-5 Converter	.250	.125

MULTI-LEAD PADS FOR INTEGRATED CIRCUITS

All lead holes on .200″ dia. circle.

94 U 443	7717-4	4-lead	.375	.075
94 U 444	7717-6	6-lead	.375	.075
94 U 445	7717-8	8-lead	.375	.075
94 U 446	7717-10	10-lead	.375	.075
94 U 447	7717-12	12-lead	.375	.075

Light Infrared and Humidity-Sensitive Devices



Wide Selection
of Sensing
Devices for All
Applications

GROPAK HUMIDITY SENSORS

0% to 100% relative humidity. 1x ¾" pin spacing. 4 oz.

Type	Description	EACH
HA	Under 100K to over 100 megs	3.00
HA-26	30 ohms to 100 ohms	3.00
...	Socket for HA or HA-26	.30

PHOTOCONDUCTIVE CELLS

ntrolled variable resistors. All have ctral responses. "μa/fc" is illum. wt., 3 oz.

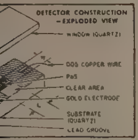
Type No.	Fig.	Max. Ma	μa/fc	Diss. (W)	EACH
4403	C	50	11,500	.3	1.50
4423	D	20	500	.2	2.05
4425	D	50	6000	.2	2.05
7163	C	50	2000	.3	1.40
7412	G	1	300	.05	2.10

GENERAL ELECTRIC MIUM-SULFIDE PHOTOCELLS

hermetically sealed photocon- ells. End-illuminated. Pass oper- tests of over one million cell-hours. y of applications in annunciators, alarms, camera aperture control counters, card sorters. Peak response, 6100 A°, except A33 and 00 A°. Ambient range. —40° to Max. current, 10 ma, except B425, B1035, 50 ma. Glass and metal s with radial leads. 2 oz.

Type No.	Fig.	Rated V.	Max. P (mw)	EACH
A33	D	30	75	1.34
A35	D	50	75	1.34
B46	D	60	250	1.42
B425	D	250	250	1.42
B1035	C	350	300	1.59

IR LEAD-SULFIDE INFRARED PHOTOCELLS



- Sensitive
- Wide Response
- Non-Polarizing

lead-sulfide infrared detectors in of a flat plate on a quartz substrate. gainst humidity. Features include sitivity, short time-constant, wide th response, low noise and low im- Wide ambient temperature range. rizing even after prolonged voltage . Optical filter types minimize in- e from visible background radia- g. wt., 4 oz.

SENSITIVITY TABLE

	Sensitive Area (In.)	Dark Resistance
	.025 x .015	1-4.5 megs
MF	Above, 3" d. opt. Infratron filt.	
	.060 x .060	.05 meg max
MF	Above, 3" d. opt. Infratron filt.	
	.200 x .200	.2-2 megs

Type No.	Overall Size (In.)	EACH
B3-SA19	.125 x .250	4.25
B3-SA19MF	w/filter	5.75
T3-SA20	.125 x .250	5.25
T3-SA20MF	w/filter	6.75
B3-SA22	.375 x .375	5.75

B POLARIS MAJ-I" PHOTOCELL

CdS cells. 75-300 ohms @ 92 ft-candles. 10 meg in total darkness. 0.2 meg/sec max. change. Max. diss., 0.2 W @ 40°C. Max. v., 110 AC (peak) or DC.

Stock No.	Type	Ambient °C.	EACH
7 U 565	LDR-C1	−20 to +60	1.00

CLAIREX PHOTOCONDUCTIVE CELLS

*TO-18 case. †TO-5 case. ‡Similar to Fig. G. Shpg. wt., 3 oz.

Stock No.	CL Type	Fig.	Peak (A)	Max. V.	Light Ohms
7 U 449	403S	G	7350	300	133K
7 U 452	403ASL	G	7350	60	3.5K
7 U 453	404S	G	6900	300	30K
7 U 454	404SL	G	6900	60	1.5K
7 U 456	504	D	6900	250	1.5K
7 U 457	504L	D	6900	60	0.25K
7 U 458	505	D	5500	250	9K
7 U 459	505L	‡	5500	60	1.5K
7 U 460	602	‡	5150	300	1M
7 U 461	603	‡	7350	300	133K
7 U 462	603A	‡	7350	300	75K
7 U 463	603AL	‡	7350	60	3.5K
7 U 464	604	‡	6900	300	30K
7 U 465	604L	‡	6900	60	1.5K
7 U 466	605*	‡	5500	300	166K
7 U 467	605L*	‡	5500	60	7.5K
7 U 468	607*	‡	6150	300	133K
7 U 469	503	D	7350	250	7.2K

EACH 3.00

Stock No.	CL Type	Fig.	Peak (A)	Max. V.	Light Ohms
7 U 472	702L	†	5150	60	20K
7 U 473	703	†	7350	300	133K
7 U 474	703L	†	7350	60	2.7K
7 U 476	704L	†	6900	60	.6K
7 U 478	705L	†	5500	60	3.3K
7 U 486	902	*	5150	250	1M

EACH 2.00

CLAIREX CELLS (Cont'd.)

Stock No.	CL Type	Fig.	Peak (A)	Max. V.	Light Ohms
7 U 488	903	*	7350	250	133K
7 U 490	904	*	6900	250	30K
7 U 491	904N	*	6900	75	15K

EACH 2.00

SOLAR SYSTEMS SILICON CELLS

Response, 20 μsec max. * Fig. Wt., 2 oz.

Stock No.	SS Type	*	Output Ma	Output Mw	Size	EA.
7 U 566	10-4L	H	18.0	7.2	.8x.4"	1.95
7 U 567	10-6L	H	27.0	10.8	.8x.4"	2.40
7 U 568	10-8L	H	36.0	14.4	.8x.4"	3.60
7 U 569	11-L	H	12.0	4.8	.4x.4"	1.95
7 U 570	12-L	H	5.0	2.0	.4x.2"	1.50
7 U 571	20-L	J	12.0	4.8	.8x.2"	3.50
7 U 572	21-L	J	5.0	2.0	.4x.2"	2.20
7 U 573	22-L	J	2.5	1.0	.2x.2"	1.40
7 U 574	23-L	J	1.3	0.52	.2x.1"	1.00
7 U 575	30 L	K	60.0	24.0	1.125" d.	6.75
7 U 576	31-L	K	15.0	6.0	0.281" d.	2.25

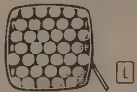
CLAIREX DESIGNERS PHOTOCELL KIT

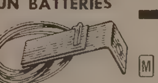
DESIGNERS KIT
CLAIREX

Includes 5 photocells: CL505 closely matches human-eye response; CL603A is high speed type; CL704L is sensitive type—66-ohms @ 100 FC; CL707 is general breaking beam type; CL902 is for linear resistive vs light-level response (smallest hermetically sealed unit). CL505 has 250-500 mw dissipation; supplied with heatsink. Wt., 1½ lbs.

9 U 265 .... 10.00

IR PHOTOCELLS AND SUN BATTERIES





Power radios, relays, etc. Selenium cells (B2M, B3M) have spectral response similar to human eye, used in light meters. Silicon cells (S1M, S3M, S5M) have higher efficiency, used as solar batteries. B2M is ½x ¾"; others, 1⅛x1⅛x3/16". Mounted in molded plastic cases, except B2M, which has mounting bracket. With Experimenters handbook. 3 oz.

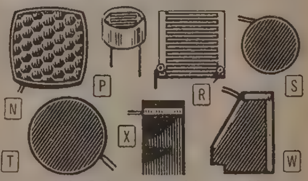
Stock No.	Mfr's Type	Fig.	Output Volts	Output Ma	EACH
7 U 876	B2M	M	.33-.4	2	1.50
7 U 877	B3M	L	.33-.4	1.5-2.5	1.75
7 U 879	S1M	L	.3-.45	10-16	2.25
6 U 494	S3M	L	.6-.85	10-16	3.95
6 U 495	S5M	L	.6-.85	18-25	4.95

DOW HEAT-SINK COMPOUND

Five-ounce tube of 340 silicone compound. This material, filled with heat conductive metal oxides, provides efficient heat transfer to main heat-sink. Withstands to 200°C. Shpg. wt., 3 oz.

7 U 021 .... Each 5.00

IOR SOLAR CELL AND PHOTOCELL EXPERIMENTER KIT



Type K-421. Informative kit provides experimenters, hobbyists and engineers with a practical introduction to the rapidly expanding field of solar cells and photocells. Ideal for experiments involving light-powered radios and transmitters, light meters, operating small motors from sunlight, etc.

Contains 7 different photocells, including: S1M space satellite type silicon solar cell (Fig. N); glass-encased cadmium sulfide cell (Fig. P); cadmium sulfide cell for direct 115 v. operation (Fig. R); and 4 selenium cells of different sizes, shapes and outputs (Figs. S, T, W, X).

Complete with styrene storage case, instructions and informative "Experimenter's Handbook" which contains descriptions and schematic diagrams of relay, radio, transmitter and other circuits using photocells. Case, 1x7½x5". Shpg. wt., ½ lb.

7 U 660 .... 5.95

Allied's Semiconductor and Integrated Circuit Directory

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KEY TO NAMES OF MANUFACTURERS

GE..............General Electric
HUG.............Hughes Aircraft
IR...........International Rectifier
MIC.........Microwave Associates
MOT..................Motorola
NAT...................National
OHM....................Ohmite
RCA.......Radio Corp. of America
SPR....................Spr
ST...............Sarkes-Tar
SYL....................Sylv
TI..............Texas Instrum
TRW........Pacific Semiconduc
Thompson Ramo Woolr
WES..............Westingh

Type	Mfr.	EACH
1N21B	SYL	.68
1N21BR	MIC	1.02
1N21C	SYL	1.02
1N21CMR	SYL	3.07
1N21CR	MIC	1.41
1N21D	SYL	2.45
1N21F	SYL	8.10
1N21WE	SYL	5.25
1N23B	SYL	.67
1N23C	SYL	1.02
1N23CR	MIC	1.41
1N23D	SYL	2.45
1N23E	MIC	4.20
1N23ER	MIC	6.30
1N23F	SYL	8.10
1N23WE	SYL	5.25
1N25	SYL	3.53
1N26	SYL	6.50
1N26A	SYL	7.75
1N34A	SYL	.30
1N34AS	GE	.32
1N35	SYL	1.58
1N38A	SYL	.49
1N38B	SYL	.49
1N39A	OHM	1.65
1N39B	OHM	1.53
1N48	SYL	.30
1N54A	SYL	.42
1N55A	SYL	.40
1N56A	OHM	.38
1N58A	SYL	.55
1N60	SYL	.30
1N63	SYL	.36
1N64	SYL	.30
1N65	SYL	.48
1N67A	SYL	.28
1N68A	SYL	.28
1N69A	SYL	.30
1N70A	SYL	.48
1N78A	SYL	7.06
1N81A	SYL	.48
1N82	SYL	.70
1N82A	SYL	.91
1N87A	IR	.35
1N90	SYL	.33
1N91	GE	.85
1N92	GE	1.95
1N93	GE	2.70
1N95	HUG	.50
1N96	HUG	.59
1N96A	HUG	.59
1N97	HUG	.69
1N98	SYL	.31
1N98A	OHM	.43
1N99	SYL	.50
1N100	SYL	.32
1N100A	OHM	.46
1N115	SYL	.64
1N116	SYL	.49
1N118	SYL	.23
1N118A	HUG	.63
1N126	SYL	.30
1N126A	SYL	.30
1N127A	SYL	.42
1N128	SYL	.32
1N143	OHM	.86
1N150	MIC	3.13
1N150R	MIC	4.70
1N151	GE	2.70
1N153	GE	4.45
1N158	GE	6.10
1N160	MIC	2.78
1N191	SYL	.35
1N192	SYL	.34
1N198	SYL	.35
1N198A	SYL	.35
1N198B	SYL	1.03
1N248A	GE	1.65
1N248B	MOT	1.35
1N248C	MOT	1.65
1N248RC	RCA	1.65
1N249	GE	1.73
1N249A	GE	1.73
1N249B	MOT	1.72
1N249C	MOT	2.02
1N249RC	RCA	2.06
1N250	GE	2.50
1N250B	MOT	2.45
1N250C	MOT	2.75
1N251	SYL	.65
1N252	SYL	.65
1N253	GE	1.05

Type	Mfr.	EACH
1N253R	TI	1.05
1N254	TI	1.12
1N255	TI	1.72
1N255R	TI	1.72
1N256	TI	2.40
1N270	SYL	.32
1N273	HUG	.68
1N276	SYL	.31
1N277	SYL	.34
1N279	SYL	.29
1N281	SYL	.31
1N283	SYL	.51
1N287	HUG	.88
1N288	HUG	.88
1N291	HUG	.95
1N292	HUG	.60
1N294	SYL	.34
1N295	SYL	.35
1N305	OHM	2.34
1N315	GE	3.00
1N332	TI	1.72
1N333	TI	1.72
1N334	TI	1.42
1N336	TI	1.12
1N337	TI	1.12
1N338	TI	1.05
1N339	TI	1.05
1N341	TI	1.72
1N342	MOT	1.95
1N343	TI	1.42
1N344	TI	1.42
1N345	TI	1.12
1N346	TI	1.12
1N347	TI	1.05
1N348	TI	1.05
1N349	TI	1.05
1N368	GE	2.55
1N415E	MIC	4.20
1N416E	MIC	4.20
1N429	MOT	5.45
1N440B	GE	.66
1N441B	GE	.69
1N442B	TI	.79
1N443B	GE	.98
1N444B	TI	1.05
1N445B	GE	1.43
1N456	SYL	.37
1N456A	SYL	.37
1N457	SYL	.30
1N457A	SYL	.30
1N458	SYL	.48
1N458A	SYL	.48
1N459	SYL	.51
1N459A	SYL	.51
1N461	SYL	.35
1N461A	SYL	.35
1N462	SYL	.38
1N462A	SYL	.38
1N463	SYL	.46
1N463A	SYL	.46
1N464	SYL	.45
1N464A	SYL	.45
1N468	HUG	3.00
1N482	SYL	.59
1N482A	SYL	.59
1N482B	SYL	.59
1N483	SYL	.61
1N483A	SYL	.61
1N483B	SYL	.61
1N484A	SYL	.61
1N484B	SYL	.61
1N485	SYL	.77
1N485A	SYL	.77
1N485B	SYL	.77
1N486A	SYL	.85
1N486B	SYL	.85
1N487	SYL	.90
1N487A	SYL	1.20
1N488	SYL	1.05
1N488A	SYL	1.54
1N497	SYL	.45
1N498	SYL	.50
1N500	SYL	.53
1N536	GE	.45
1N537	GE	.50
1N538	GE	.53
1N539	GE	.60
1N540	GE	.68
1N541	IR	.40
1N542	IR	.90
1N547	GE	.96
1N550	TI	1.05
1N551	TI	1.12
1N552	TI	1.42
1N553	TI	1.72

Type	Mfr.	EACH
1N554	TI	1.80
1N555	TI	2.40
1N560	GE	1.80
1N561	GE	3.53
1N562	GE	5.36
1N588	TI	6.30
1N589	TI	6.30
1N597	IR	6.00
1N599	GE	.47
1N599A	GE	.54
1N600	GE	.53
1N601	GE	.54
1N602	GE	.63
1N602A	GE	.66
1N603	GE	.66
1N603A	GE	.79
1N604	GE	.81
1N605	GE	.90
1N605A	GE	1.43
1N606	GE	1.19
1N607A	GE	1.01
1N608A	GE	1.05
1N609A	TI	1.05
1N610	GE	1.12
1N610A	GE	1.12
1N611	GE	1.43
1N611A	GE	1.43
1N612A	GE	1.73
1N613A	GE	1.80
1N614A	GE	2.40
1N625	SYL	.43
1N626	SYL	.43
1N627	SYL	.60
1N628	SYL	.72
1N629	SYL	.86
1N636	SYL	.37
1N643	TI	2.20
1N643A	SYL	1.60
1N645	TI	1.40
1N645A	GE	1.65
1N646	GE	1.65
1N647	GE	1.80
1N648	GE	1.95
1N649	GE	2.50
1N658	SYL	1.76
1N659	SYL	.58
1N659A	GE	1.18
1N660	TI	1.30
1N661	TI	1.95
1N662	SYL	1.00
1N662A	HUG	1.96
1N663	SYL	1.35
1N676	GE	.93
1N677	GE	1.05
1N678	GE	1.23
1N682	GE	1.65
1N683	GE	1.80
1N684	GE	1.88
1N686	GE	2.25
1N687	GE	2.40
1N689	GE	2.50
1N695	SYL	.30
1N695A	HUG	.98
1N702	IR	1.50
1N702A	IR	1.75
1N703	IR	1.50
1N703A	IR	1.75
1N704	IR	1.50
1N704A	IR	1.75
1N705	IR	1.50
1N705A	IR	1.75
1N706	IR	1.50
1N706A	IR	1.75
1N707	IR	1.50
1N707A	IR	1.75
1N708	IR	1.50
1N708A	IR	1.75
1N709	IR	1.50
1N709A	IR	1.75
1N710	IR	1.50
1N710A	TI	2.80
1N711	IR	1.50
1N711A	IR	1.75
1N712	IR	1.50
1N712A	TI	2.80
1N713	IR	1.50
1N713A	IR	1.75
1N714	TI	2.10
1N714A	IR	1.75
1N715	IR	1.50
1N715A	IR	1.75
1N716	TI	2.10
1N716A	IR	1.75
1N717	IR	1.50
1N717A	IR	1.75

Type	Mfr.	EACH
1N718	IR	1.50
1N718A	IR	1.75
1N719	IR	1.50
1N719A	IR	1.75
1N720	IR	1.50
1N720A	IR	1.75
1N721	IR	1.50
1N721A	IR	1.75
1N722	IR	1.50
1N722A	IR	1.75
1N723	IR	1.50
1N723A	IR	1.75
1N724	IR	1.50
1N724A	IR	1.75
1N725	IR	1.50
1N725A	IR	1.75
1N726A	ST	2.25
1N727A	TRW	2.75
1N730A	ST	2.25
1N738A	ST	2.25
1N746	TI	2.10
1N746A	TI	2.80
1N747	TI	2.10
1N747A	TI	2.80
1N748	TI	2.10
1N748A	TI	2.80
1N749	TI	2.10
1N749A	TI	2.80
1N750	TI	2.10
1N750A	TI	2.80
1N751	TI	2.10
1N751A	TI	2.80
1N752	TI	2.10
1N752A	TI	2.80
1N753	TI	2.10
1N753A	TI	2.80
1N754	TI	2.10
1N754A	TI	2.80
1N755	TI	2.10
1N755A	TI	2.80
1N756	TI	2.10
1N756A	TI	2.80
1N757	TI	2.10
1N757A	TI	2.80
1N758	TI	2.10
1N758A	TI	2.80
1N759	TI	2.10
1N759A	TI	2.80
1N761	TI	2.10
1N762	TI	2.10
1N763	TI	2.10
1N764	TI	2.10
1N765	TI	2.10
1N766	TI	2.10
1N767	HUG	1.80
1N768	HUG	1.98
1N769	HUG	1.87
1N770	SYL	.48
1N810	HUG	.98
1N811	GE	.82
1N812	GE	1.18
1N813	GE	1.05
1N814	GE	1.18
1N815	GE	.80
1N816	SYL	.45
1N818	HUG	1.12
1N821	MOT	4.00
1N821A	MOT	5.65
1N823	MOT	5.00
1N823A	MOT	7.50
1N825	MOT	7.95
1N825A	IR	8.00
1N830A	SYL	3.85
1N831	SYL	6.85
1N832	SYL	8.60
1N837	HUG	2.59
1N837A	HUG	2.59
1N844	HUG	2.27
1N891	GE	1.32
1N903	GE	1.02
1N903A	GE	1.17
1N904	GE	.99
1N904A	GE	1.14
1N905	GE	1.14
1N905A	GE	1.55
1N906	GE	.90
1N906A	GE	1.13
1N907	GE	.89
1N907A	GE	1.52
1N908	GE	.87
1N908A	HUG	1.19
1N914	SYL	1.25
1N914A	SYL	1.50
1N914B	HUG	2.45
1N915	HUG	1.54

Type	M
1N916	G
1N916A	G
1N917	G
1N927	T
1N929	H
1N930	H
1N935	M
1N935A	M
1N936	M
1N936A	M
1N936B	M
1N937	M
1N937A	M
1N938	M
1N938A	M
1N941	M
1N941B	M
1N942A	M
1N942B	M
1N943	M
1N952	H
1N953	H
1N954	H
1N955	H
1N956	H
1N957	IR
1N957A	IR
1N957B	IR
1N957B	M
1N958	IR
1N958A	IR
1N958B	M
1N959	IR
1N959A	IR
1N959B	IR
1N959B	M
1N960	IR
1N960A	IR
1N960B	M
1N961	IR
1N961A	IR
1N961B	IR
1N961B	M
1N962	IR
1N962A	IR
1N962B	IR
1N963	IR
1N963A	IR
1N963B	IR
1N964	IR
1N964A	IR
1N964B	MO
1N965	IR
1N965A	IR
1N965B	MO
1N966	IR
1N966A	IR
1N966B	MO
1N967	IR
1N967A	IR
1N967B	MO
1N968	IR
1N968A	IR
1N968B	MO
1N969	IR
1N969A	IR
1N969B	MO
1N970	IR
1N970A	IR
1N970B	MO
1N971	IR
1N971A	IR
1N971B	MO
1N972	IR
1N972A	IR
1N972B	IR
1N973	IR
1N973A	IR
1N973B	MO
1N974B	MO
1N975B	MO
1N976B	MO
1N977B	MO
1N978B	MO
1N979B	MO
1N980B	MO
1N981B	MO
1N982B	MO
1N983B	MO
1N984B	MO
1N985B	MO
1N986B	MO
1N989B	MO
1N990B	MO
1N991B	MO

	Mfr.	EACH
	MOT	3.65
	HUG	1.33
	SYL	.60
	GE	.98
	ST	.60
	ST	.65
	ST	.85
	ST	.75
	ST	3.34
	ST	4.00
	ST	4.67
	ST	5.35
	GE	.77
	GE	.96
	GE	.53
	GE	.63
	GE	.66
	GE	.81
	ST	3.15
	ST	4.00
	ST	4.75
	ST	5.65
	ST	6.50
	GE	1.05
	GE	1.12
	GE	1.43
	GE	1.73
	GE	1.80
	GE	2.40
	TI	2.10
R	TI	2.10
	MOT	2.75
	TI	2.55
A	TI	2.55
R	TI	2.55
	TI	3.90
A	GE	3.87
	GE	4.98
A	TI	5.25
	TI	6.00
A	GE	5.90
R	TI	6.00
	TI	5.75
	TI	5.75
	ST	3.50
	ST	4.34
	MOT	1.95
A	RCA	2.15
RA	RCA	2.15
	MOT	2.40
A	RCA	2.48
RA	RCA	2.48
	MOT	2.90
	GE	3.45
A	RCA	3.55
RA	RCA	3.55
	MOT	5.25
A	RCA	4.95
RA	RCA	4.95
	GE	5.85
A	RCA	6.19
RA	RCA	6.19
	MOT	1.35
	MOT	1.72
	MOT	2.10
	MOT	2.45
	MOT	4.05
A	GE	4.02
RA	RCA	3.88
	MOT	4.95
A	RCA	4.95
RA	RCA	4.95
	MOT	6.15
A	RCA	6.15
	MOT	7.50
A	MOT	7.80
RA	RCA	7.01
	IR	1.25
A	GE	1.25
RA	RCA	.86
	IR	1.40
A	RCA	1.41
RA	RCA	1.41
	IR	1.80
A	GE	1.82
	ST	1.55
A	GE	2.63
RA	RCA	2.48
	IR	4.00
A	GE	3.60
RA	RCA	3.47
	IR	5.00
A	GE	4.58
RA	RCA	4.46
	IR	5.75
A	GE	5.33
RA	RCA	5.36
	IR	7.00
A	GE	6.38
RA	RCA	6.19
	GE	.42
A	MOT	5.45
A	MOT	5.45
A	MOT	5.45
A	MOT	5.45
A	MOT	5.45
A	MOT	5.45
A	MOT	5.45

Type	Mfr.	EACH
1N1320A	MOT	5.45
1N1321A	MOT	5.45
1N1322A	MOT	5.45
1N1323A	MOT	5.45
1N1324A	MOT	5.45
1N1325A	MOT	5.45
1N1326A	MOT	5.45
1N1327A	MOT	5.45
1N1341	IR	1.15
1N1341A	GE	1.13
1N1342	IR	1.25
1N1342A	GE	1.28
1N1343	ST	1.25
1N1343A	GE	1.64
1N1344	IR	2.50
1N1344A	GE	2.22
1N1345	IR	3.70
1N1345A	GE	3.17
1N1346	ST	1.95
1N1346A	GE	4.11
1N1347	IR	5.25
1N1347A	GE	4.97
1N1348	ST	2.70
1N1348A	GE	5.93
1N1351	IR	4.90
1N1351A	IR	5.10
1N1352	IR	4.90
1N1352A	IR	5.10
1N1353	IR	4.90
1N1353A	IR	5.10
1N1354	IR	4.90
1N1354A	IR	5.10
1N1355	IR	4.90
1N1355A	IR	5.10
1N1356	IR	4.90
1N1356A	IR	5.10
1N1357	IR	4.90
1N1357A	IR	5.10
1N1358	IR	4.90
1N1358A	IR	5.10
1N1359	IR	4.90
1N1359A	IR	5.10
1N1360	IR	4.90
1N1360A	IR	5.10
1N1361	IR	4.90
1N1361A	IR	5.10
1N1362	IR	4.90
1N1362A	IR	5.10
1N1363	IR	4.90
1N1363A	IR	5.10
1N1364	IR	4.90
1N1364A	IR	5.10
1N1365	IR	4.90
1N1365A	IR	5.10
1N1366	IR	4.90
1N1366A	IR	5.10
1N1367	IR	4.90
1N1367A	IR	5.10
1N1368	IR	4.90
1N1368A	IR	5.10
1N1369	IR	4.90
1N1369A	IR	5.10
1N1370	IR	4.90
1N1370A	IR	5.10
1N1371	IR	4.90
1N1371A	IR	5.10
1N1372	IR	4.90
1N1372A	IR	5.10
1N1373	IR	4.90
1N1373A	IR	5.10
1N1374	IR	4.90
1N1374A	IR	5.10
1N1487	GE	.53
1N1488	GE	.63
1N1489	GE	.66
1N1490	GE	.81
1N1491	GE	.90
1N1492	GE	1.19
1N1507	IR	2.75
1N1507A	IR	3.45
1N1508	IR	2.75
1N1508A	IR	3.45
1N1509	IR	2.75
1N1509A	IR	3.45
1N1510	IR	2.75
1N1510A	IR	3.45
1N1511	IR	2.75
1N1511A	IR	3.45
1N1512	IR	2.75
1N1512A	IR	3.45
1N1513	IR	2.75
1N1513A	IR	3.45
1N1514	IR	2.75
1N1514A	IR	3.45
1N1515	IR	2.75
1N1515A	IR	3.45
1N1516	IR	2.75
1N1516A	IR	3.45
1N1517	IR	2.75
1N1517A	IR	3.45
1N1518	IR	3.00
1N1518A	IR	3.65
1N1519	IR	3.00
1N1519A	IR	3.65
1N1520	IR	2.95
1N1520A	IR	3.60
1N1521	IR	2.95
1N1521A	IR	3.60

Type	Mfr.	EACH
1N1522	IR	2.95
1N1522A	IR	3.60
1N1523	IR	2.95
1N1523A	IR	3.60
1N1524	IR	2.95
1N1524A	IR	3.60
1N1525	IR	2.95
1N1525A	IR	3.60
1N1526	IR	2.95
1N1526A	IR	3.60
1N1527	IR	2.95
1N1527A	IR	3.60
1N1528	IR	2.95
1N1528A	IR	3.60
1N1537	MOT	1.75
1N1540	MOT	2.55
1N1563	MOT	1.35
1N1563A	MOT	1.50
1N1564	MOT	1.50
1N1564A	MOT	1.87
1N1565	MOT	1.65
1N1566	MOT	1.80
1N1566A	MOT	2.40
1N1567	MOT	2.10
1N1567A	MOT	2.85
1N1568	MOT	3.30
1N1568A	MOT	4.40
1N1581	TI	1.10
1N1582	TI	1.20
1N1583	TI	2.25
1N1584	TI	3.30
1N1585	TI	4.05
1N1588	IR	3.85
1N1588A	IR	4.60
1N1589	IR	3.85
1N1590	IR	3.75
1N1590A	IR	4.50
1N1591	IR	3.75
1N1591A	IR	4.50
1N1592	IR	3.75
1N1592A	IR	4.50
1N1593	IR	3.75
1N1593A	IR	4.50
1N1594	IR	3.75
1N1594A	IR	4.50
1N1595	IR	3.75
1N1595A	IR	4.50
1N1596	IR	3.75
1N1596A	IR	4.50
1N1597	IR	3.75
1N1597A	IR	4.50
1N1598	IR	3.75
1N1598A	IR	4.50
1N1599	IR	5.50
1N1599A	IR	7.25
1N1600	IR	5.50
1N1600A	IR	7.25
1N1601	IR	5.00
1N1601A	IR	5.50
1N1602	IR	5.00
1N1602A	IR	5.50
1N1603	IR	5.00
1N1603A	IR	5.50
1N1604	IR	5.00
1N1604A	IR	5.50
1N1605	IR	5.00
1N1605A	IR	5.50
1N1606	IR	5.00
1N1606A	IR	5.50
1N1607	IR	5.00
1N1607A	IR	5.50
1N1608	IR	5.00
1N1608A	IR	5.50
1N1609	IR	5.00
1N1609A	IR	5.50
1N1611A	SYL	9.15
1N1612R	RCA	.75
1N1613	RCA	.86
1N1613R	RCA	.86
1N1614R	RCA	1.31
1N1615	RCA	3.71
1N1615R	RCA	3.71
1N1616R	RCA	5.36
1N1621	ST	2.24
1N1622	ST	2.80
1N1623	ST	3.45
1N1624	ST	4.24
1N1642	IR	.54
1N1692	GE	.45
1N1693	GE	.48
1N1694	GE	.56
1N1695	GE	.66
1N1696	GE	.72
1N1697	GE	.93
1N1702	IR	.87
1N1730	GE	4.48
1N1731	GE	6.30
1N1732	GE	8.12
1N1735	IR	4.65
1N1736	IR	6.52
1N1736A	IR	9.05
1N1763	RCA	.42
1N1764	RCA	.40
1N1765	GE	2.40
1N1766	GE	2.40
1N1767	GE	2.40
1N1768	GE	2.40
1N1769	GE	3.00

Type	Mfr.	EACH
1N1770	GE	3.00
1N1771	GE	3.00
1N1772	GE	3.00
1N1773	GE	3.00
1N1774	GE	3.00
1N1775	GE	3.00
1N1776	GE	3.00
1N1805	IR	4.90
1N1805A	IR	5.10
1N1806	IR	4.90
1N1806A	IR	5.10
1N1807	IR	4.90
1N1807A	IR	5.10
1N1808	IR	4.90
1N1808A	IR	5.10
1N1816	TI	5.60
1N1817	TI	5.60
1N1818	TI	5.60
1N1819	TI	5.60
1N1820	TI	5.60
1N1821	TI	5.60
1N1822	TI	5.60
1N1823	TI	5.60
1N1824	TI	5.60
1N1825	TI	5.60
1N1826	TI	5.60
1N1827	TI	5.60
1N1828	TI	5.60
1N1829	TI	5.60
1N1830	TI	5.60
1N1831	TI	5.60
1N1832	TI	5.60
1N1833	TI	5.60
1N1834	TI	5.60
1N1835	TI	5.60
1N1836	TI	5.60
1N1929	HUG	1.80
1N1931	HUG	1.80
1N1933	HUG	1.80
1N1935	HUG	1.98
1N1937	HUG	2.20
1N1956	IR	2.08
1N1959	IR	2.08
1N2008	TI	5.60
1N2009	TI	5.60
1N2010	TI	5.60
1N2011	TI	5.60
1N2054	IR	12.40
1N2069	SYL	.50
1N2069A	SYL	.60
1N2070	SYL	.68
1N2070A	SYL	.75
1N2071	SYL	.87
1N2071A	SYL	1.10
1N2128	IR	2.40
1N2129	IR	3.05
1N2129A	IR	3.20
1N2130	IR	3.80
1N2131	IR	4.50
1N2132	IR	5.20
1N2133	IR	6.35
1N2134	IR	6.50
1N2135	IR	6.70
1N2136	IR	7.00
1N2137	IR	7.30
1N2138	IR	8.00
1N2154	GE	2.39
1N2155	GE	3.00
1N2155R	GE	3.00
1N2156	GE	4.38
1N2157	GE	5.25
1N2157R	GE	5.25
1N2158	GE	5.92
1N2158R	GE	5.92
1N2159	GE	6.15
1N2159R	GE	6.15
1N2160	GE	6.30
1N2326	RCA	.35
1N2389	ST	6.10
1N2482	ST	.35
1N2483	ST	.40
1N2484	ST	.45
1N2485	ST	.40
1N2486	ST	.63
1N2487	ST	.45
1N2488	ST	.72
1N2489	ST	.55
1N2500	TI	5.60
1N2609	MOT	.90
1N2610	MOT	1.05
1N2611	MOT	1.18
1N2612	GE	1.52
1N2613	MOT	1.70
1N2614	MOT	1.95
1N2615	MOT	2.30
1N2616	MOT	4.85
1N2617	MOT	7.50
1N2620	MOT	4.10
1N2620A	MOT	4.35
1N2620B	MOT	4.90
1N2621	MOT	4.60
1N2621A	MOT	5.55
1N2621B	MOT	6.75
1N2622	MOT	7.60
1N2622A	MOT	8.15
1N2622B	MOT	9.35
1N2623	MOT	8.80
1N2630	IR	9.97

Type	Mfr.	EACH
1N2635	IR	9.97
1N2636	IR	9.97
1N2767	MOT	9.05
1N2804	MOT	6.25
1N2808	MOT	6.25
1N2809	MOT	6.25
1N2810	MOT	6.25
1N2816	MOT	6.25
1N2817	MOT	6.25
1N2818	MOT	6.25
1N2820	MOT	6.25
1N2822	MOT	6.25
1N2823	MOT	6.25
1N2826	MOT	6.25
1N2830	MOT	6.25
1N2838	MOT	6.25
1N2839	MOT	7.00
1N2846	MOT	7.00
1N2858	RCA	.37
1N2859	RCA	.38
1N2860	RCA	.40
1N2861	RCA	.43
1N2862	RCA	.61
1N2864	RCA	.83
1N2939	GE	6.70
1N2940	GE	4.95
1N2941	GE	4.15
1N2969	GE	4.55
1N2970	MOT	5.45
1N2970A	TI	5.50
1N2970B	MOT	7.30
1N2971	MOT	5.45
1N2971A	TI	5.50
1N2971B	MOT	7.30
1N2972	TI	5.10
1N2972A	TI	5.50
1N2972B	MOT	7.30
1N2973	TI	5.10
1N2973A	TI	5.50
1N2973B	MOT	7.30
1N2974	MOT	5.45
1N2974A	TI	5.50
1N2974B	MOT	7.30
1N2975	MOT	5.45
1N2975A	TI	5.50
1N2975B	MOT	7.30
1N2976	MOT	5.45
1N2976A	TI	5.50
1N2976B	MOT	7.30
1N2977	MOT	5.45
1N2977A	TI	5.50
1N2977B	MOT	7.30
1N2978	MOT	5.45
1N2978A	MOT	5.85
1N2978B	MOT	7.30
1N2979	MOT	5.45
1N2979B	MOT	7.30
1N2980A	TI	5.50
1N2980B	MOT	7.30
1N2981	MOT	5.45
1N2981A	TI	5.50
1N2981B	TI	6.90
1N2982	MOT	5.45
1N2982A	TI	5.50
1N2982B	MOT	7.30
1N2983	TI	5.10
1N2983A	TI	5.50
1N2983B	TI	6.90
1N2984	TI	5.10
1N2984A	TI	5.50
1N2984B	MOT	7.30
1N2985	MOT	5.45
1N2985A	TI	5.50
1N2985B	MOT	7.30
1N2986	MOT	5.45
1N2986A	TI	5.50
1N2986B	MOT	7.30
1N2987	MOT	5.45
1N2987A	TI	5.50
1N2987B	MOT	7.30
1N2988	MOT	5.45
1N2988A	TI	5.50
1N2989	MOT	5.45
1N2989A	TI	5.50
1N2989B	MOT	7.30
1N2990	MOT	5.45
1N2990A	TI	5.50
1N2990B	MOT	7.30
1N2991	MOT	5.45
1N2991A	TI	5.50
1N2991B	MOT	7.30
1N2992	TI	5.10
1N2992A	TI	5.50
1N2992B	MOT	7.30
1N2993	MOT	5.45
1N2993A	TI	5.50
1N2993B	MOT	7.30
1N2994	MOT	5.45
1N2994A	TI	5.50
1N2994B	MOT	7.30
1N2995	MOT	5.45
1N2995A	TI	5.50
1N2995B	MOT	7.30
1N2996	MOT	5.45
1N2996A	TI	5.50
1N2996B	MOT	7.30

Type	Mfr.	EACH
1N2997	TI	5.10
1N2997A	TI	5.50
1N2997B	MOT	7.30
1N2998	MOT	5.45
1N2998A	TI	5.50
1N2998B	MOT	7.30
1N2999	MOT	5.45
1N2999A	TI	5.50
1N2999B	MOT	7.30
1N3000	MOT	5.45
1N3000A	MOT	5.85
1N3000B	MOT	7.30
1N3001	MOT	5.45
1N3001A	TI	5.50
1N3001B	MOT	7.30
1N3002	MOT	5.45
1N3002A	TI	5.50
1N3002B	MOT	7.30
1N3003	MOT	5.45
1N3003A	TI	5.50
1N3003B	MOT	7.30
1N3004	MOT	5.45
1N3004A	TI	5.50
1N3004B	MOT	7.30
1N3005	MOT	5.45
1N3005A	TI	5.50
1N3005B	MOT	7.30
1N3006	MOT	5.45
1N3006A	MOT	5.85
1N3006B	MOT	7.30
1N3007	MOT	5.45
1N3007A	TI	5.50
1N3007B	MOT	7.30
1N3008	MOT	5.45
1N3008A	TI	5.50
1N3008B	MOT	7.30
1N3009	MOT	5.45
1N3009A	TI	5.50
1N3009B	MOT	7.30
1N3010	MOT	5.45
1N3010A	TI	5.50
1N3010B	MOT	7.30
1N3011	MOT	5.45
1N3011A	MOT	5.85
1N3011B	MOT	7.30
1N3012	TI	5.60
1N3012A	TI	8.45
1N3013	MOT	6.00
1N3013A	TI	8.45
1N3014	TI	5.60
1N3014A	TI	8.45
1N3015	MOT	6.00
1N3015A	TI	8.45
1N3016	TI	2.70
1N3016A	TI	3.00
1N3016B	MOT	3.70
1N3017	TI	2.70
1N3017A	MOT	3.20
1N3017B	MOT	3.70
1N3018	TI	2.70
1N3018B	MOT	3.70
1N3019	TI	2.70
1N3019A	TI	3.00
1N3019B	MOT	3.70
1N3020	MOT	2.85
1N3020A	TI	3.00
1N3020B	MOT	3.70
1N3021	TI	2.70
1N3021A	TI	3.00
1N3021B	MOT	3.70
1N3022	MOT	2.85
1N3022A	TI	3.00
1N3022B	MOT	3.70
1N3023	TI	2.70
1N3023A	TI	3.00
1N3023B	MOT	3.70
1N3024	TI	2.70
1N3024A	TI	3.00
1N3024B	MOT	3.70
1N3025	TI	2.70
1N3025A	TI	3.00
1N3025B	MOT	3.70
1N3026	TI	2.70
1N3026A	TI	3.00
1N3026B	MOT	3.70
1N3027	TI	2.70
1N3027A	TI	3.00
1N3027B	MOT	3.70
1N3028	TI	2.70
1N3028A	TI	3.00
1N3028B	MOT	3.70
1N3029	TI	2.70
1N3029A	TI	3.00
1N3029B	MOT	3.70
1N3030	TI	2.70
1N3030A	TI	3.00
1N3030B	MOT	3.70
1N3031	TI	2.70
1N3031A	TI	3.00
1N3032	TI	2.70
1N3032A	TI	3.00
1N3032B	MOT	3.70
1N3033A	TI	3.00
1N3033B	MOT	3.70
1N3034	TI	2.70
1N3034A	TI	3.00
1N3034B	MOT	3.70
1N3035	TI	2.70
1N3035A	TI	3.00
1N3035B	MOT	3.70
1N3036	TI	2.70
1N3036A	TI	3.00
1N3036B	MOT	3.70
1N3037	TI	2.70
1N3037A	TI	3.00
1N3037B	MOT	2.70
1N3038	MOT	2.85
1N3038A	TI	3.00
1N3038B	MOT	3.70
1N3039	TI	2.70
1N3039A	TI	3.00
1N3039B	MOT	3.70
1N3040	TI	2.70
1N3040A	TI	3.00
1N3040B	MOT	3.70
1N3041	TI	2.70
1N3041A	TI	3.00
1N3041B	MOT	3.70
1N3042	TI	2.70
1N3042A	TI	3.00
1N3042B	MOT	3.70
1N3043	TI	2.70
1N3043A	TI	3.00
1N3043B	MOT	3.70
1N3044	TI	2.70
1N3044A	TI	3.00
1N3044B	MOT	3.70
1N3045	TI	2.75
1N3045A	TI	3.05
1N3045B	MOT	4.65
1N3046	TI	2.75
1N3046A	TI	3.05
1N3046B	MOT	4.65
1N3047	TI	2.75
1N3047A	TI	3.05
1N3047B	MOT	4.65
1N3048	TI	2.75
1N3048A	TI	3.05
1N3048B	MOT	4.65
1N3049	TI	2.75
1N3049A	TI	3.05
1N3049B	MOT	4.65
1N3050	TI	2.75
1N3050A	TI	3.05
1N3050B	MOT	4.65
1N3051	TI	2.75
1N3051A	TI	3.05
1N3051B	MOT	4.65
1N3063	GE	.67
1N3064	TI	3.55
1N3065	GE	3.75
1N3066	GE	2.80
1N3068	GE	.62
1N3069	HUG	1.40
1N3070	TI	6.45
1N3085	IR	8.00
1N3111	IR	7.00
1N3118	GE	9.15
1N3123	HUG	1.75
1N3124	GE	1.65
1N3128	RCA	6.35
1N3129	RCA	7.59
1N3130	RCA	8.17
1N3143	SYL	5.60
1N3143R	SYL	5.60
1N3149	GE	4.15
1N3149A	GE	8.35
1N3150	GE	4.15
1N3154	MOT	4.25
1N3154A	MOT	6.00
1N3155	MOT	5.10
1N3189	MOT	3.15
1N3190	MOT	4.50
1N3191	MOT	7.35
1N3193	RCA	.37
1N3194	RCA	.42
1N3195	RCA	.66
1N3196	RCA	.91
1N3208	MOT	1.15
1N3208R	MOT	1.15
1N3209	MOT	1.30
1N3209R	MOT	1.30
1N3210	MOT	1.75
1N3210R	MOT	1.75
1N3211	MOT	2.40
1N3211R	MOT	2.40
1N3212	MOT	2.90
1N3212R	MOT	2.90
1N3213	MOT	5.40
1N3214	MOT	6.75
1N3253	RCA	.42
1N3254	RCA	.45
1N3255	RCA	.70
1N3256	RCA	.94
1N3258	HUG	2.84
1N3261	WES	8.55
1N3261R	WES	8.55
1N3282	MOT	2.25
1N3283	MOT	2.90
1N3284	MOT	7.95
1N3285	MOT	10.05
1N3305	MOT	6.05
1N3306	IR	5.50
1N3307	IR	5.50
1N3309	IR	5.50
1N3311	IR	5.50
1N3313	IR	5.50
1N3314	IR	5.50
1N3315	IR	5.50
1N3316	IR	5.50
1N3317	IR	5.50
1N3319	IR	5.50
1N3320	IR	5.50
1N3321	IR	5.50
1N3322	IR	5.50
1N3323	IR	5.50
1N3324	IR	5.50
1N3326	IR	5.50
1N3327	IR	5.50
1N3328	IR	5.50
1N3330	IR	5.50
1N3331	IR	5.50
1N3332	IR	5.50
1N3334	IR	5.50
1N3335	IR	5.50
1N3336	IR	5.50
1N3337	IR	5.50
1N3338	IR	5.50
1N3339	IR	5.50
1N3340	IR	5.50
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1N3343	MOT	6.80
1N3344	MOT	6.80
1N3346	MOT	6.80
1N3348	MOT	6.80
1N3349	MOT	6.80
1N3350	MOT	6.80
1N3492	MOT	.76
1N3493	MOT	1.11
1N3494	MOT	1.27
1N3495	MOT	1.48
1N3563	RCA	1.65
1N3569	GE	1.34
1N3570	GE	1.62
1N3571	GE	2.10
1N3572	GE	2.57
1N3573	GE	3.86
1N3574	GE	5.54
1N3580	MOT	4.90
1N3580A	MOT	5.20
1N3580B	MOT	6.00
1N3581	MOT	5.55
1N3581A	MOT	6.45
1N3581B	MOT	7.75
1N3582	MOT	8.95
1N3582A	MOT	9.80
1N3596	HUG	2.17
1N3598	HUG	2.45
1N3600	GE	3.75
1N3604	GE	.83
1N3605	GE	.72
1N3606	GE	1.00
1N3615	IR	1.38
1N3616	IR	1.54
1N3617	IR	1.98
1N3618	IR	3.03
1N3619	IR	4.40
1N3620	IR	5.50
1N3621	IR	6.33
1N3622	IR	7.70
1N3639	GE	.57
1N3640	GE	.72
1N3641	GE	1.05
1N3642	GE	1.46
1N3659	MOT	.90
1N3659R	MOT	.90
1N3660	MOT	.99
1N3660R	MOT	.99
1N3661	MOT	1.33
1N3661R	MOT	1.33
1N3662	MOT	1.48
1N3662R	MOT	1.48
1N3663	MOT	1.70
1N3663R	MOT	1.70
1N3670	IR	8.40
1N3670A	GE	9.06
1N3671A	GE	9.50
1N3672	IR	11.39
1N3672A	GE	9.88
1N3680B	MOT	4.90
1N3681B	MOT	4.90
1N3682B	MOT	4.90
1N3683B	MOT	4.90
1N3684B	MOT	4.90
1N3685B	MOT	4.90
1N3686B	MOT	4.90
1N3687B	MOT	4.90
1N3688B	MOT	4.90
1N3689B	MOT	4.90
1N3690B	MOT	4.90
1N3691B	MOT	4.90
1N3692B	MOT	4.90
1N3693B	MOT	4.90
1N3694B	MOT	4.90
1N3695B	MOT	4.90
1N3696B	MOT	4.90
1N3712	GE	3.30
1N3713	GE	5.00
1N3714	GE	2.90
1N3715	GE	4.60
1N3716	GE	2.25
1N3717	GE	3.90
1N3718	GE	2.25
1N3719	GE	3.90
1N3720	GE	1.60
1N3721	GE	3.90
1N3754	RCA	.32
1N3755	RCA	.32
1N3756	RCA	.35
1N3775	TI	5.85
1N3775R	TI	6.39
1N3785	MOT	3.75
1N3785B	MOT	6.95
1N3786	MOT	3.75
1N3786B	MOT	6.95
1N3787B	MOT	6.95
1N3788B	MOT	6.95
1N3789	MOT	3.75
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1N3790B	MOT	6.95
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1N3793	MOT	3.75
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1N3794B	MOT	6.95
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1N3795B	MOT	6.95
1N3796	MOT	3.75
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1N3797B	MOT	6.95
1N3798	MOT	3.75
1N3798B	MOT	6.95
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1N3804B	MOT	6.95
1N3805B	MOT	6.95
1N3806	MOT	3.75
1N3806B	MOT	6.95
1N3807B	MOT	6.95
1N3808B	MOT	6.95
1N3809B	MOT	6.95
1N3810B	MOT	6.95
1N3811B	MOT	6.95
1N3812B	MOT	6.95
1N3813B	MOT	6.95
1N3814B	MOT	8.35
1N3815B	MOT	8.35
1N3816B	MOT	8.35
1N3817B	MOT	8.80
1N3818B	MOT	8.80
1N3819B	MOT	8.80
1N3820B	MOT	8.80
1N3821A	MOT	2.65
1N3822A	MOT	2.65
1N3823A	MOT	2.65
1N3824A	MOT	2.65
1N3825A	MOT	2.65
1N3826A	MOT	2.65
1N3827A	MOT	2.65
1N3828A	MOT	2.65
1N3829A	MOT	2.65
1N3830A	MOT	2.65
1N3847	RCA	4.95
1N3848	RCA	4.95
1N3850	RCA	4.95
1N3851	RCA	4.95
1N3852	RCA	6.35
1N3853	RCA	5.94
1N3854	RCA	7.59
1N3855	RCA	8.17
1N3856	RCA	8.17
1N3857	RCA	8.58
1N3858	RCA	6.52
1N3859	RCA	8.17
1N3861	RCA	6.19
1N3862	RCA	7.67
1N3863	RCA	9.41
1N3873	GE	1.65
1N3958	GE	1.49
1N3959	GE	1.80
1N3960	GE	2.33
1N3961	GE	2.85
1N3962	GE	4.28
1N3963	GE	6.15
1N3987	IR	8.25
1N3988	IR	9.10
1N3996	MOT	5.65
1N3996A	MOT	7.70
1N3997	MOT	5.65
1N3997A	MOT	7.70
1N3998	MOT	5.65
1N3998A	MOT	7.70
1N3999	MOT	5.65
1N3999A	MOT	7.70
1N4000A	MOT	7.70
1N4001	MOT	.45
1N4002	MOT	.49
1N4003	MOT	.60
1N4004	MOT	.67
1N4005	MOT	.96
1N4006	MOT	2.55
1N4009	GI	
1N4043	GI	
1N4090	GI	
1N4092	HU	
1N4099	MO	
1N4100	MO	
1N4101	MO	
1N4102	MO	
1N4103	MO	
1N4104	MO	
1N4105	MO	
1N4106	MO	
1N4107	MO	
1N4108	MO	
1N4109	MO	
1N4110	MO	
1N4111	MO	
1N4112	MO	
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1N4114	MO	
1N4115	MO	
1N4116	MO	
1N4117	MO	
1N4118	MO	
1N4119	MO	
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1N4132	MO	
1N4133	MO	
1N4134	MO	
1N4135	MO	
1N4147	HU	
1N4148	GE	
1N4149	GE	
1N4150	GE	
1N4151	GE	
1N4152	GE	
1N4153	GE	
1N4154	GE	
1N4156	GE	
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1N4305	GE	
1N4306	GE	
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1N4366	TI	
1N4367	TI	
1N4368	TI	
1N4369	TI	
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1N4371A	MO	
1N4372A	MO	
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1N4385	TI	
1N4442	GE	
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1N4444	GE	
1N4445	GE	
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1N4447	GE	
1N4448	GE	
1N4449	GE	
1N4450	GE	
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1N4452	GE	
1N4453	GE	
1N4454	GE	
1N4506	GE	
1N4507	GE	
1N4508	GE	
1N4525	GE	
1N4531	GE	
1N4532	GE	
1N4533	GE	
1N4534	GE	
1N4536	GE	
1N4537	TI	
1N4548	GE	
2N35	SYL	
2N43	GE	
2N44	GE	
2N78	GE	
2N102/13	SYL	
2N104	RCA	
2N107	GE	
2N109	RCA	
2N128	SPR	
2N140	RCA	
2N167	GE	
2N169	GE	
2N169A	GE	
2N170	GE	
2N173	MOT	
2N174	MOT	
2N174A	MOT	
2N176	MOT	

Type	Mfr.	EACH
	MOT	1.10
	GE	1.64
	GE	.75
	GE	.83
	GE	1.57
	SYL	.91
	SYL	1.59
	SYL	1.15
	RCA	.57
	RCA	1.16
	RCA	1.52
	SYL	.50
	SYL	.50
	GE	.92
	TI	1.90
	TI	2.25
	TI	2.25
	RCA	.83
	RCA	1.24
	MOT	2.25
	MOT	2.80
	GE	.75
	MOT	1.60
	RCA	Use 2N2869
	RCA	Use 2N2870
	SYL	.67
	RCA	1.49
	GE	.44
	GE	.59
	GE	.65
	GE	.42
	GE	.63
	HUG	2.45
	HUG	5.75
	TI	4.65
	GE	4.65
	TI	4.65
	TI	4.95
	TI	5.25
	GE	8.90
	TI	4.90
	GE	6.30
	TI	4.85
	GE	5.50
	GE	5.80
	SPR	3.45
	MOT	1.65
	RCA	.81
	RCA	.80
	RCA	.80
	MOT	2.20
	MOT	1.85
	MOT	.82
	MOT	1.12
	MOT	1.42
	RCA	1.65
	TI	.60
	RCA	1.09
	SPR	4.35
	TI	.50
	GE	.62
	GE	.62
	RCA	1.13
	RCA	1.24
	RCA	1.44
	RCA	.47
	RCA	.75
07	RCA	1.08
	RCA	.33
	RCA	.42
	RCA	.38
	RCA	.43
	RCA	.40
	RCA	.43
	RCA	.42
	TI	1.24
	MOT	1.85
	MOT	1.95
	MOT	1.90
	GE	2.10
	TI	1.80
	TI	1.80
	TI	2.65
	TI	2.65
	TI	2.80
	TI	2.80
	MOT	1.50
	MOT	1.50
	MOT	1.65
	MOT	2.10
	GE	7.10
	GE	9.15
	GE	7.80
	GE	8.40
	GE	9.90
	SPR	3.95
	SPR	6.35
	SPR	7.05
	SPR	2.90
	SPR	3.45
	GE	.69
	GE	.73
	TI	4.05
	TI	4.75
	GE	1.10
	GE	1.10
	GE	1.11
	GE	1.35
2N554	MOT	.60
2N555	MOT	.75
2N585	RCA	.99
2N586	RCA	1.73
2N588	SPR	1.45
2N591	RCA	.53
2N618	MOT	2.45
2N627	MOT	2.85
2N630	MOT	6.05
2N647	RCA	1.08
2N649	RCA	.86
2N650	MOT	1.65
2N651	MOT	1.65
2N652	MOT	2.17
2N652A	TI	2.25
2N653	MOT	1.65
2N655	MOT	1.95
2N656	TI	2.03
2N657	TI	8.25
2N669	MOT	1.42
2N682	MOT	9.40
2N696	TI	.93
2N697	TI	.93
2N698	TI	1.57
2N699	RCA	1.57
2N699B	TRW	6.00
2N700	MOT	7.35
2N705	MOT	1.80
2N706	TI	.99
2N706A	TI	1.19
2N706B	TI	1.49
2N708	RCA	1.32
2N709	RCA	2.48
2N711	MOT	1.12
2N711A	TI	.89
2N711B	TI	.94
2N718	TI	1.30
2N718A	TI	1.52
2N721	TI	6.75
2N726	TI	3.00
2N741	MOT	2.18
2N741A	MOT	3.30
2N744	TI	2.90
2N753	TI	1.97
2N769	SPR	6.75
2N779A	SPR	3.50
2N797	TI	4.27
2N834	MOT	2.00
2N835	MOT	1.50
2N859	SPR	9.35
2N861	SPR	6.00
2N863	SPR	4.50
2N865	SPR	8.25
2N910	GE	2.37
2N914	RCA	1.57
2N916	GE	4.90
2N917	GE	8.67
2N918	TI	5.25
2N929	TI	4.20
2N930	TI	4.65
2N956	TI	2.17
2N964	TI	.99
2N966	TI	.89
2N967	TI	.87
2N968	MOT	1.53
2N974	MOT	.94
2N976	SPR	4.35
2N995	MOT	5.85
2N1010	RCA	2.89
2N1011	MOT	1.95
2N1021	TI	3.55
2N1022	TI	4.15
2N1022A	TI	4.15
2N1038	TI	2.85
2N1039	TI	3.75
2N1040	TI	5.70
2N1041	TI	7.50
2N1042	TI	4.50
2N1043	TI	5.85
2N1046	TI	8.25
2N1086	GE	1.07
2N1090	RCA	1.11
2N1091	RCA	1.41
2N1099	MOT	3.90
2N1100	MOT	4.50
2N1102	SYL	.64
2N1121	GE	1.57
2N1131	TI	5.60
2N1132	TI	5.60
2N1143	TI	3.50
2N1162	MOT	4.45
2N1163	MOT	5.40
2N1165	MOT	8.25
2N1166	MOT	7.55
2N1167	MOT	9.75
2N1175	GE	.87
2N1175A	GE	1.33
2N1177	RCA	.83
2N1178	RCA	.81
2N1179	RCA	.81
2N1180	RCA	.68
2N1183	RCA	1.82
2N1183A	RCA	2.31
2N1183B	RCA	2.89
2N1184	RCA	2.48
2N1184A	RCA	2.81
2N1184B	RCA	4.13
2N1188	MOT	3.15
2N1191	MOT	1.12
2N1192	MOT	1.12
2N1193	MOT	1.50
2N1194	MOT	1.65
2N1195	MOT	3.95
2N1204	MOT	6.38
2N1218	SYL	9.75
2N1224	RCA	1.24
2N1225	RCA	1.41
2N1274	TI	.50
2N1300	RCA	.91
2N1301	RCA	1.08
2N1302	TI	.50
2N1303	TI	.50
2N1304	TI	.61
2N1305	TI	.61
2N1306	TI	.80
2N1307	TI	.80
2N1308	TI	1.08
2N1309	TI	1.07
2N1310	TI	4.51
2N1312	TI	1.78
2N1358	MOT	4.15
2N1360	MOT	1.70
2N1363	MOT	3.10
2N1370	TI	.72
2N1371	TI	1.14
2N1372	TI	.82
2N1373	TI	1.20
2N1374	TI	1.02
2N1375	TI	1.39
2N1376	TI	1.29
2N1377	TI	1.50
2N1378	TI	1.29
2N1379	TI	1.44
2N1380	TI	.67
2N1381	TI	.72
2N1382	TI	.99
2N1384	RCA	2.06
2N1395	RCA	1.49
2N1396	RCA	1.65
2N1404	TI	.58
2N1412	RCA	5.76
2N1413	GE	.73
2N1414	GE	.78
2N1415	GE	.92
2N1420	TI	2.50
2N1479	RCA	2.15
2N1480	RCA	2.31
2N1481	RCA	2.48
2N1482	RCA	3.30
2N1483	RCA	2.89
2N1484	RCA	3.63
2N1485	RCA	4.46
2N1486	RCA	6.77
2N1487	RCA	4.54
2N1488	RCA	4.95
2N1489	RCA	7.43
2N1490	RCA	8.25
2N1491	RCA	4.13
2N1493	RCA	9.90
2N1495	MOT	7.35
2N1499A	SPR	1.40
2N1499B	SPR	1.55
2N1500	SPR	6.95
2N1507	TI	2.50
2N1524	RCA	.40
2N1526	RCA	.43
2N1530	MOT	1.60
2N1532	MOT	3.00
2N1534	MOT	1.40
2N1535	MOT	1.50
2N1536	MOT	1.70
2N1537	MOT	3.90
2N1539	MOT	1.50
2N1540	MOT	1.58
2N1541	MOT	1.85
2N1542	MOT	2.35
2N1544	MOT	1.65
2N1545	MOT	1.85
2N1546	MOT	2.30
2N1547	MOT	2.75
2N1553	MOT	1.85
2N1554	MOT	2.30
2N1555	MOT	2.75
2N1556	MOT	4.00
2N1557	MOT	2.15
2N1558	MOT	2.80
2N1560	MOT	4.45
2N1595	TI	3.05
2N1596	TI	4.50
2N1597	TI	9.45
2N1605	TI	.72
2N1605A	RCA	1.51
2N1613	TI	1.73
2N1637	RCA	.52
2N1638	RCA	.45
2N1639	RCA	.48
2N1671	GE	2.95
2N1671A	GE	3.20
2N1671B	GE	3.55
2N1694	GE	.99
2N1700	RCA	1.90
2N1701	RCA	2.31
2N1702	RCA	4.54
2N1703	RCA	5.78
2N1711	RCA	1.16
2N1715	TI	8.25
2N1718	TI	6.75
2N1719	TI	9.00
2N1742	SPR	2.93
2N1743	SPR	2.87
2N1744	SPR	2.25
2N1745	SPR	1.80
2N1748A	SPR	1.15
2N1754	SPR	1.35
2N1768	RCA	8.25
2N1770	TI	5.55
2N1771	TI	6.00
2N1771A	GE	7.00
2N1772	GE	7.50
2N1773	GE	9.75
2N1808	TI	.58
2N1893	RCA	1.32
2N1905	RCA	4.13
2N1906	RCA	6.60
2N1907	TI	7.90
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2N2016	RCA	9.90
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2N2108	GE	2.10
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2N2142	MOT	2.30
2N2143	MOT	2.45
2N2144	MOT	3.75
2N2145	MOT	4.50
2N2147	RCA	2.06
2N2148	RCA	1.24
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2N2153	MOT	5.55
2N2156	MOT	4.10
2N2157	MOT	6.35
2N2160	GE	1.49
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2N2925	GE	.72
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5MA4-K	IR	2.43
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6GD1	GE	.54

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10B1	IR	.50
10B4	IR	.80
10D5	IR	.78
10D10	IR	2.45
10DB2A	IR	2.50
10DB3A	IR	2.60
10DB4A	IR	2.75
10DB5A	IR	2.90
10DB6A	IR	3.05
10DB8A	IR	3.60
10DB10A	IR	5.40
12A8	GE	5.65
13A8	GE	2.00
40S3N	ST	6.90
40S3P	ST	6.90
50M	ST	.80
60M	ST	.85
80H	ST	1.05
650C0	TI	4.85
650C3	TI	4.85
651C5	TI	4.85
652C0	TI	4.85
652C5	TI	4.85
40065	RCA	8.66
40084	RCA	.99
40108	RCA	.99
40109	RCA	1.16
40110	RCA	1.57
40250	RCA	1.57
40256	RCA	2.72
A1B	IR	1.22
A1H	IR	.38
A7B	GE	1.95
A10A	GE	.41
A10B	GE	.42
A10E	GE	.83
A10N	GE	1.80
A40A	GE	1.34
A40B	GE	1.79
A40D	GE	2.90
A40F	GE	1.19
B1B	IR	1.28
B1H	IR	.40
BD4	GE	5.00
C1B	IR	1.46
C1H	IR	.42
C6B	GE	2.07
C6F	GE	1.65
C6U	GE	1.57
C15B	GE	6.30
C15C	GE	8.70
C15D	GE	10.30
C20B	GE	2.30

Type	Mfr.	EACH
C20C	GE	2.66
C20D	GE	3.02
C20F	GE	1.87
C22B	GE	2.07
C22D	GE	2.79
C22U	GE	1.57
C30B	GE	5.75
C30D	GE	9.35
C32B	GE	5.40
C32C	GE	7.05
C32D	GE	9.00
C37B	GE	9.75
C611B	GE	2.60
CR103	RCA	8.15
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E500L	IR	1.22
E650L	IR	2.08
F-8	ST	.60
FA8	ST	1.60
G129	TI	1.30
G130	TI	1.30
G222	TI	.75
G296	TI	.85
GE-1	GE	1.25
GE-2	GE	1.20
GE-3	GE	2.25
GE-4	GE	4.50
GE-5	GE	1.63
GE-6	GE	1.75
GE-7	GE	1.58
GE-8	GE	1.20
GE-9	GE	1.20
GE-504	GE	1.00
GEM-100	GE	1.50
GE-X1	GE	6.30
GE-X2	GE	3.50
GE-X3	GE	6.00
GE-X4	GE	1.95
GE-X5	GE	4.45
GE-X6	GE	1.75
GE-X7	GE	1.00
GE-X9	GE	.85

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GE-X11	GE	2.25
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H38	TI	4.00
H60	TI	8.00
H61	TI	9.00
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HD2149	HUG	.64
HD2155	HUG	.85
HD5000	HUG	2.85
HD5001	HUG	2.55
HD5003	HUG	1.20
HD5004	HUG	.90
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M1B	IR	1.72
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MCR808-4	MOT	4.50
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MCR1304-5	MOT	3.15
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MCR1305-4	MOT	2.15
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MCR1305-6	MOT	4.65
MCR1308-4	MOT	4.75
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MDA920-4	MOT	2.25
MDA942-1	MOT	2.15
MDA942-2	MOT	2.40
MDA942-3	MOT	2.65

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MDA942-5	MOT	3.10
MDA952-1	MOT	3.25
MDA952-2	MOT	3.50
MDA952-3	MOT	4.45
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MK-15	MOT	.23
MK-20	MOT	.35
MP500	MOT	6.35
MP504	MOT	7.40
MP505	MOT	12.00
MP505A	MOT	12.75
MR322	MOT	.66
MR322R	MOT	.66
MR323	MOT	.72
MR323R	MOT	.72
MR324	MOT	1.08
MR324R	MOT	1.08
MR325	MOT	1.27
MR325R	MOT	1.27
MR326	MOT	1.48
MR326R	MOT	1.48
MR1030A	MOT	.55
MR1030B	MOT	.55
MR1031A	MOT	.60
MR1031B	MOT	.60
MR1032A	MOT	.67
MR1032B	MOT	.67
MS-10	MOT	2.10
MS-15	MOT	2.10
MV1876	MOT	10.50
OMC550	OHM	.25
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PC135	TRW	12.00
PC136	TRW	10.00
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Q4B	IR	1.56
Q1H	IR	.36
RA1	GE	4.50
RA1A	GE	7.95
RA2	GE	7.95
SC40B	GE	4.65
SC41B	GE	4.12
SC45B	GE	6.30
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SCR-03	IR	5.75
SCR-04	IR	7.50
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SD-95A	IR	1.06
SK-3003	RCA	.99
SK-3004	RCA	.99
SK-3005	RCA	1.17
SK-3006	RCA	1.26
SK-3007	RCA	1.26
SK-3008	RCA	1.23
SK-3009	RCA	2.34
SK-3010	RCA	1.26

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SK-3011	RC
SK-3012	RC
SK-3014	RC
SK-3015	RC
SK-3016	RC
SK-3017	RC
ST-2	GE
ST-14	IR
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TD-253B	GE
TI-40A4	TI
TI-42	TI
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TI-409	TI
TI-480	TI
TI-481	TI
TI-482	TI
TI-483	TI
TI-484	TI
TI-486	TI
TI-487	TI
TI-492	TI
TI-493	TI
TI-494	TI
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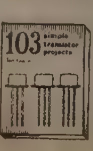

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Every component in General Electric's GE-X Series includes easy-to-follow instructions from which educational and practical electronic devices can be constructed. Ideal for students and experimenters.

[A] **GE-X1.** Silicon controlled rectifier is actually a solid-state switch for 117 volt, 50-60 cycle AC
ld circuits. Controls up to 4.7 amps. Ideal for use as speed
for hand tools, mixers. Shpg. wt., 3 oz.
.... 6.30

3. Silicon controlled rectifier for high current (up to 13
s) at lower voltage up to 50 PIV. Ideal for battery chargers,
lating, relay replacement, or low-voltage controls operating
to or boat batteries. Shpg. wt., 3 oz.
.... 6.00

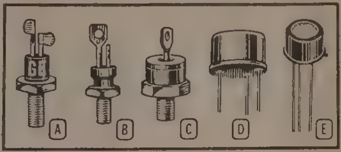
4. Low-cost, high-current conventional silicon rectifier. 20
s at up to 200 PIV. For Hi-Lo lamp dimmers, motor-speed
, battery chargers, and (with GE-X1 or GE-X3) full-wave
ht dimmers or DC power supplies. 3 oz.
.... 1.95

5. High-sensitivity, silicon controlled rectifier. Capable of
lling up to 1.6 amps and 50 volts. Can be activated by mo-
200 μw or *less*. Ideal for simple remote controls, tempera-
trols, alarm systems, other devices. 3 oz.
.... 4.45

2. "Mighty midget"—the first *light activated* power switch-
on controlled rectifier conducts up to ¼ amp, up to 25 volts.
r photoelectric controls, experimental ignition systems,
Photoflash" circuits. Shpg. wt., 3 oz.
.... 3.50

6. End-illuminated, cadmium sulfide photo-conductive cell
naking intriguing electronic devices. Up to 250 volts peak
in control uses such as relay controls, automatic light
remote indication, and punched card or tape readouts.
t., 3 oz.
.... 1.75

Each of the components listed below is supplied with schematic diagrams to assist in the construction of the particular devices for which the unit is recommended. In addition to the applications listed, numerous other circuits can be devised.



GE-X7 REED SWITCH. (Not illus.) Can carry loads from 15 volt-amperes down to micro-amperes. The GE-X7, with external magnetic actuation, is ideal for use in liquid-level controls, weight measuring devices, temperature limiters, multiple relays; etc. Shpg. wt., 2 oz.
GE-X7 .... 1.00

[D] **GE-X8.** An NPN isolated case, germanium, medium-speed transistor designed primarily for low level switching and amplification. Includes complete schematics for building Light Flasher, Light Target and Triggered Light Source. Other uses: oscillator, DC amps. Shpg. wt., 3 oz.
GE-X8 .... .85

[D] **GE-X9.** A PNP germanium transistor for medium power amplification and switching. With schematics for Light Flasher, Light Target and Triggered Light Source. Shpg. wt., 3 oz.
GE-X9 .... .85

[E] **GE-X10.** Unijunction transistor for oscillators, timing circuits, SCR firing and bi-stable circuits. Includes schematic for High Precision Automotive Type Tachometer. 3 oz.
GE-X10 .... 4.95

GE-X11. (Not illus.) Silicon zener diode rated 8.2 v. @ 1 watt. With schematic for building Automotive Type Tachometer. For voltage regulation and transient protection. Wt., 3 oz.
GE-X11 .... 2.25

TYPE GE-504 UNIVERSAL TV RECTIFIER

type. Recommended as a replacement for all selenium,
um and silicon rectifiers used in television receivers. 60-amp
ting eliminates need for surge limiting resistors. Rated 600
1 1000 ma DC. 2 oz.
A 1.00

P-HAT SILICON AND GERMANIUM RECTIFIERS

-cost, general use. Hermetic seals. 2 oz.

No.	Peak Inverse Volts	Maximum DC (Ma)	EACH
l	100	150	.85
592	100	600	.45
593	200	600	.48
594	300	600	.56
595	400	600	.66
596	500	600	.72
597	600	600	.93

CRYSTAL DIODES

indicated in table are maximum, measured at 25°C. All
ave 1″ tinned leads. Shpg. wt., 2 oz.

e	Description	Av. Forward Current (Ma)	PRV	EACH
AS	General Purpose	50	75	.32
	Video Detector	50	30	.35
A	Silicon UHF Mixer	....	5	.91
5	50-mc Detector	30	50	.35

"VAC-U-SELL" DOUBLE DIODES

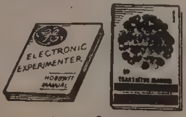
re units for TV horizontal detector, etc. Static balance,
n 0.3 ma difference between cells. $\frac{7}{16}$x$\frac{9}{16}$x$\frac{3}{16}$″. 4 oz.

o.	Ifwd	Imr	Description	EA.
	1.1 ma @ 2.5V	4 μa @ 20V	Common Cathode	.54
	1.1 ma @ 2.5V	4 μa @ 20V	Series Connected	.54
	1.1 ma @ 2.5V	4 μa @ 20V	Common Anode	.54

MANUALS

istor Manual. 22 chapters on
y, radio circuits, amplifiers,
ators. Wt., 1¼ lbs.
001 .... 2.00

onics Experimenter/Hobbyist
l. Newest SCR and rectifier
cations, circuits. 8 oz.
102 .... 1.00



Latest Circuits
Plus Experiments

TYPE 2N107 AUDIO TRANSISTOR

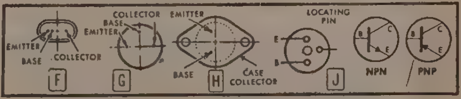
Alloy junction PNP for projects such as simple audio amplifiers; 1-, 2-, or 3-transistor radios; code-practice oscillator. $BV_{CE}= -6$ V. $h_{FE}=20$ min. 3 oz.
2N107 .... 55¢

TYPE 2N170 HIGH-FREQUENCY TRANSISTOR

Low-voltage, high-frequency NPN transistor. Use it to build pocket radios, amplifiers, etc. $BV_{CE}=6$ V.; Min. conversion gain, 22 db. 3 oz.
2N170 .... 75¢

TYPE GE-M100 GERMANIUM MESA TRANSISTOR

Germanium mesa transistor for the Ham, hobbyist, and Citizens Bander. The GE-M100 is packaged with complete circuit diagrams covering construction of transistorized Citizens-Band and remote control units. 3 oz.
GE-M100 .... 1.50

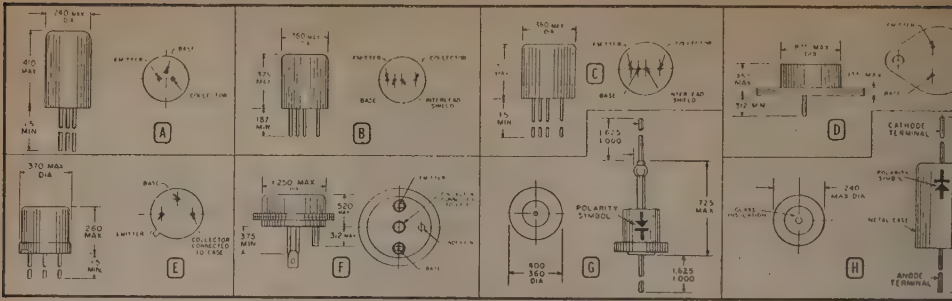


UNIVERSAL REPLACEMENT TRANSISTORS

The nine transistors listed below cover the majority of applications that a radio or TV serviceman will encounter. Inventories are therefore minimized. GE-9 is smaller than GE-1 (GE-9, .209″ dia.; GE-1, .335″ dia.). Av. wt., 2 oz.

Type No.	Outline Drawing	Use	Application	EACH
GE-1	G	PNP	Mixer/Oscillator Converter; RF and IF Amplifier	1.25
GE-2	G	PNP	AF Amplifier	1.20
GE-3	H	PNP	AF Power Amplifier	2.25
GE-4	J	PNP	AF High Power Amplifier	4.50
GE-5	G	NPN	Mixer/Oscillator Converter; RF and AF Amplifier	1.63
GE-6	F	NPN	Mixer/Oscillator Converter; RF Amplifier	1.75
GE-7	F	NPN	IF Amplifier	1.58
GE-8	G	NPN	AF Amplifier	1.20
GE-9	G	PNP	Mixer/Oscillator Converter; RF and IF Amplifier	1.20

RCA and Motorola Semiconductors



RCA "TOP-OF-THE-LINE" UNIVERSAL REPLACEMENT TRANSISTORS AND RECTIFIE

RCA's "Top-of-the-Line" Series transistors and rectifiers replace more than 2000 types used in portable radios, table and other transistor AM and FM radios, auto radios, hi-fi and P.A. amplifiers, phonographs and tape recorders. Each semiconductor in Series is designed to provide outstanding performance in application or types of service as listed below.

A SK-3003. Germanium, PNP, alloy-junction transistor for replacement in AF output, driver and low-level amplifier stages of battery-operated portable radios and other equipment using DC supply not greater than 9 volts. 2 oz.
SK-3003 .... .99¢

A SK-3004. Germanium, PNP, alloy-junction transistor for replacement in AF output, driver and low-level amplifier stages in battery-operated portable radios and other equipment using DC supply not greater than 15 volts. 2 oz.
SK-3004 .... .99¢

A SK-3005. Germanium, PNP, alloy-junction transistor for replacement use in RF amplifier, converter and IF amplifier stages of battery-operated portable radios for the standard broadcast band. Shpg. wt., 2 oz.
SK-3005 .... 1.17

B SK-3006. Germanium, PNP, drift-field transistor for RF amplifier, IF amplifier and converter stages of FM and AM/FM receivers and other equipment using DC supply up to 12 v. 2 oz.
SK-3006 .... 1.26

C SK-3007. Germanium, PNP, drift-field transistor for RF amplifier, IF amplifier and converter stages of "all-wave" receivers using DC supply up to 12 volts. 2 oz.
SK-3007 .... 1.26

A SK-3008. Germanium, PNP, drift-field transistor for RF amplifier, IF amplifier and converter stages of standard broadcast car radios and portable radios up to 12.6 v. 2 oz.
SK-3008 .... 1.23

D SK-3009. Germanium, PNP, alloy-junction transistor for audio output stages of auto radios, high-fidelity amplifier equipment, and communications equipment. 2 oz.
SK-3009 .... 2.34

A SK 3010. Germanium, NPN, alloy-junction transistor f AF amplifier stages of battery-operated radios and oth tainment type equipment using DC supply voltages not than 15 volts. Shpg. wt., 2 oz.
SK-3010 ....

E SK-3011. Germanium, NPN, alloy-junction transistor placement use in RF amplifier, converter, and IF stages of battery-operated portable radios for the standar cast band. Shpg. wt., 2 oz.
SK-3011 ....

F SK-3012. Germanium, PNP, alloy-junction transistor placement use in audio output stages of automobil Stud-mounted. Shpg. wt., 2 oz.
SK-3012 ....

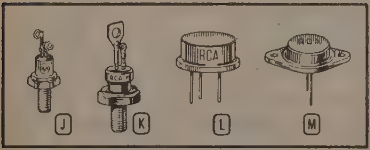
D SK-3014. Germanium, PNP, drift-field transistor for au put stages of auto radios, high-fidelity amplifier equipr communications equipment. Shpg. wt., 2 oz.
SK-3014 ....

D SK-3015. Matched pair of SK-3014 transistors, above. F pull audio output stages of auto radios, amplifiers and nications equipment. Shpg. wt., 4 oz.
SK-3015 ....

G SK 3016. Silicon rectifier for color and black-and-white hi-fi equipment, phonographs, etc. Hermetically sealed case. PRV, 500 v. DC Output, 750 ma. 2 oz.
SK-3016 ....

H SK-3017. Silicon rectifier for use in color and black-a TV receivers, high-fidelity amplifier equipment, phon and other equipment. Insulated TO-1 case. PRV, 600 v. DC 500 ma. Shpg. wt., 2 oz.
SK-3017 ....

RCA SILICON CONTROLLED RECTIFIERS



Diffused SCR's for Switching and Power Control

K 2N682. Rated 25 amps rms. 75-volt V_{RM} (nonrepetitive peak reverse voltage). TO-48 case. 4 oz.
2N682 .... 9.40

K 2N685. 25 amps rms. 300-volt V_{RM}. TO-48 case. 4 oz.
2N685 .... 14.85

J 2N1771. 7.4 amps rms. V_{RM}, 75 v., nonrepetitive. TO-64 case.
2N1771. Shpg. wt., 3 oz. 5.78

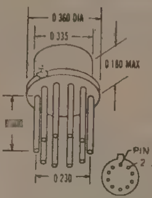
J 2N1772. 7.4 amps rms. V_{RM}, 150 v., nonrepetitive. TO-64 case.
2N1772. Shpg. wt., 3 oz. 7.43

M 2N3228. Operates direct from 120-volt line. Av. fwd amps, 3.2. Rms amps, 5. V_{RM}, 330 v. nonrepetitive. TO-66 case.
2N3228. Shpg. wt., 2 oz. 1.62

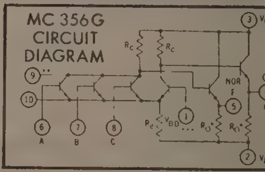
L 2N3528. Similar to above, but TO-8 case. For 120 volts. Av. fwd. amps, 1.3. Rms amps, 2. V_{RM}, 330 v. nonrepetitive.
2N3528. Shpg. wt., 2 oz. 1.63

M 2N3669. Provides 400 v. blocking voltage in 120-v. line. Rated 8 amps av. and 12.5 amps rms. TO-3 case. 2 oz.
2N3669 .... 3.27

MOTOROLA MC356G INTEGRATED CIRCU



PIN 2 ELECTRICALLY CONNECTED TO CAN



- 3-Input High-Speed MECL Lo
- Resistant to Power Supply V

This MECL circuit is a systems-orien grated-circuit logic block designed for compatibility in a large computer system. Features desig tages such as 6-nanosecond propagation delay (typical) at gate power dissipation of only 35 milliwatts, and high nois nity . . 50% of logic swing. Fan-in is 3 (has capability of u plus fanout capability of up to 25, each output). Constant of power supply minimizes internally-generated noise. Non ing (current mode) circuit approach makes possible simu complementary functions (AND/NAND—OR/NOR). MC a monolithic emitter-coupled 3-input gate circuit for such ul speed logic. Boasts silicon epitaxial passivated constructio mum logic input is 5 volts. Power supply voltage, 10 volts. O temperature range is from 0 to +75°C. In 10-pin TO-5 cas wt., 2 oz.
MC356G ....

Rectifier Stacks and Semiconductors

INTERNATIONAL RECTIFIER SELENIUM RECTIFIER STACKS

COMPACT SELENIUM STACKS

placement and Original Equipment • Long Life • Low Leakage

t., high density selenium rectifiers for original equipment and ent use. Also useful for Amateur and experimental applications. g life, stable characteristics, negligible leakage. All are rated 130 s maximum input. With mounting bracket and hardware. Av. ., 3 oz.

	Replaces Type	Size	DC Output (Ma)	EACH
	TO65/075	2 1/32x.67x.67″	0-75	.59
	TO75/150	¾x1x1″	75-150	.74
	T200/300	1 5/16x1 ¼x1 ¼″	150-300	1.10
	T450/500	1 5/16x1 ½x1 ½″	400-500	1.22
	T550/650	2x2x2″	500-650	2.08

MINIATURE LOW-VOLTAGE STACKS

Miniature seleniums for low-power applications in DC filament supplies, solenoid and relay power supplies, 6 and 12-v. battery chargers, etc. Rated at 25 v. rms maximum, except Q4B, 130 volts rms maximum. H in Type Number indicates single-plate half-wave; B indicates full-wave bridge rectifier. Av. shpg. wt., 2 oz.

Mfr's Type	Max. DC Ma	Size	EA.	Mfr's Type	Max. DC Ma	Size	EA.
Q1H	65	43/64x43/64x7/16″	.36	Q4B	100	43/64x43/64x15/16″	1.56
A1H	100	1x1x7/16″	.38	A1B	180	1x1x¾″	1.22
B1H	150	1 13/64x1 13/64x7/16″	.40	B1B	300	1 13/64x1 13/64x¾″	1.28
C1H	250	1 ½x1 ½x7/16″	.42	C1B	600	1 ½x1 ½x¾″	1.46
M1H	500	2x2x7/16″	.56	M1B	1200	2x2x¾″	1.72
Q1B	100	43/64x43/64x7/16″	.84	...	...	...	...

INTERNATIONAL RECTIFIER SEMICONDUCTORS

NEW 8D SUBMINIATURE SILICON RECTIFIERS

ectifiers utilizing new diffusion psulation techniques to acheive ut rating of 1000 ma at 25° C. ads for easy soldering. Shpg. wt., 1 oz.

Type	Peak Rev. V.	Max. Surge, Amps	EACH
	400	50	.69
	600	50	.79

"PLUG IN" ALL-CIRCUIT SILICON RECTIFIER

ype rectifier holders for use in radio-TV, motor amplifier, industrial power supply circuits. v. RMS input, 140 v. 2 oz.

	Output, DCMA @ 50° C		Max. Surge Amps	EACH
	Resistive	Capacitive		
	350	250	2	.72
	1000	800	50	.94

6. Holder. 2 oz. .14

SILICON CONTROLLED RECTIFIERS

IOR
SILICON
CONTROLLED
RECTIFIER

for low voltage. SCR-02 for dimmers, speed conitching. SCR-03 for chargers, timers, etc. SCR-04, er controls. Each includes 24-page booklet describy, with projects, schematics. Av. wt., 2 oz.

	Amps	PRV	Max. AC rms Input	EACH
1	3.5	50	35	3.90
2	2.5	200	140	5.75
3	9	50	35	5.75
4	9	200	140	7.50

SILICON TUBE REPLACEMENT

eplacement for 5AU4, 5AW4, 5AX4, 5T4, 5U4, 3, 5Z4. Contains a surge-limiting resistor which its practically unlimited life. Requires use of o simulate the voltage drop of the tube replaced. calculator included. 4 oz.

. 5.95

SILICON RECTIFER KITS

Low-priced rectifiers for commercial applications, experimental and hobby projects. Rated ½ amp. 24-page manual included.

DD-175. 100 PRV. 3 oz. **Pkg. of 4 for .99**
DD-176. 200 PRV. 3 oz. **Pkg. of 2 for .59**
DD-177. 400 PRV. 3 oz. **Pkg. of 2 for .99**

TRANSISTOR AND SEMICONDUCTOR KITS

DD-180. Contains 2 audio transistors and 1 RF transistor for numerous projects and experiments, described in the manual included. 3 oz.
DD-180 1.45

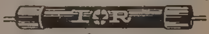
DD-184. Contains one each: RF audio transistor, RF power transistor, silicon solar cell, germanium diode. 24-page manual has many experimental projects. 3 oz.
DD-184 3.75

ZENER VOLTAGE REGULATORS

1-watt zener voltage regulators in compact cases with axial leads. Each diode is supplied with a free 24-page booklet describing many interesting projects. Tolerance, ±10%. Av. wt., 1 oz.

Mfr's Type	Nom. Voltage (E_Z)	Test Current (I_T) Ma	EACH
Z-1102-C	4.7	40	1.90
Z-1104-C	5.6	35	1.90
Z-1106-C	6.8	30	1.90
Z-1108-C	8.2	25	1.90
Z-1110-C	10	20	1.90
Z-1112-C	12	15	1.90
Z-1114-C	15	13	1.90
Z-1116-C	18	10	1.90
Z-1118-C	22	9	1.90
Z-1120-C	27	7	1.90

COLOR-TV RECTIFIERS



Selenium cartridge rectifiers used in 1964 color sets. 3 oz.

Mfr's Type	PRV (Volts)	Use	EACH
61-8968	800	Voltage booster	1.20
61-8969	6500	Focus	2.95

ZENER DIODE KITS

-170. This bargain package contains an assortment of 5 popular, tt zener diodes and a complete 24-page instruction manual that des many hobby and experimental projects. 3 oz.
-170 1.95

K-546. This deluxe kit contains 12 assorted zener diodes ranging from 400 mw to 10 watts and from 3 to 27 volts. With free 24-page instruction and project manual. 7 oz.
K-546 6.50

TEXAS INSTRUMENTS TRANSISTORS AND RECTIFIERS

ENCAPSULATED SILICON TRANSISTORS

on, NPN epitaxial planar transistors encapsulated in silicone ic. For such applications as medium-power amplifiers, class B tput, hi-fi drivers, Citizens Band 110-mw oscillators and power s. High transistion frequency (300 mc typical). High stability ristics are maintained even under conditions of high humidisitive to light. Av. shpg. wt., 2 oz.

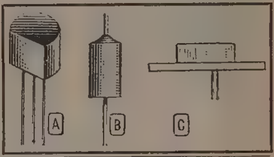
	Collector Ma	Diss. Mw	Coll.-Base Breakdown V.	Coll-Emit. Saturation V.	EACH
04	800	300	50	0.6	.61
05	800	300	50	0.8	.57
06	800	300	40	1.6	.52

DIFFUSED SILICON RECTIFIERS

reliable operation in entertainment and industrial applications. y-encapsulated. Silver leads. Average rectified forward current , 750 ma. Ambient operating temperature, − 65° to + 100° C. . wt., 2 oz.

	Peak Inverse Voltage	Max. RMS Voltage	Peak Curr. (Rec.) Amp	EACH
9	200	140	6	.49
0	400	280	6	.67
1	600	420	6	.87

HIGH-POWER TRANSISTORS



C Germanium PNP power transistors. Column heads: I_c—collector current; P_t—dissipation; BV_{CBO}—collector-base breakdown voltage; BV_{CER} collector emitter breakdown v. 2 oz.

Mfr's Type	I_c Amp	P_t Watts	BV_{CBO} Volts	BV_{CER} Volts	EACH
TI3029	7	150	80	55	1.65
TI3030	7	150	100	60	1.90
TI3031	7	150	120	65	2.05

SILECT® ENCAPSULATED SILICON TRANSISTORS

A Planar NPN units with f_T (transition frequency) of 300-450 mc for use in AM-FM radios and HF amplifiers. Low collector-base time constant of 18-30 psec. Low coll.-base capacitance. 2 oz.

Mfr's Type	I_c Ma	P_t Mw	BV_{CBO} Volts	Use	EACH
TI407	30	200	25	RF	.73
TI408	30	200	25	Mixer IF or RF	.69
TI409	30	200	25	Oscillator	.61

Quality-Engineered Burgess Batteries

BATTERIES FOR ALL APPLICATIONS

130

930

D6

2U6

U15

P45

21R

XX 45

Y 15

Zinc-carbon batteries on this page are ideal for general use Incorporate "silver wax" for improved cell-to-cell conductivity and "chrome" inhibitor
anteed freshness and sealed in steel protect

PORTABLE BATTERIES FOR TRANSISTOR RADIOS

Stock No.	Mfr's Type	Price	Volts	Size	Wt. Lbs.	Replaces: Eveready	Ray-O-Vac	RCA
55 U 769	2MN6	.65 ea.	9	1x39/64x1⅞"	⅛	216	M1604	VS323
55 U 661	2N6	1.30 ea.	9	2¾x1⅜x1⅜"	¼	246	1602	VS305
55 U 650	2U6	.48 ea.	9	1x39/64x1⅞"	¼	216	1604	VS312
55 U 106	2Z3	1.36 ea.	4½	1⅜x1⅜x2¾"	⅜	243	. . . .	VS324
55 U 861	130	Pkg. of 2 for .32	1½	1 15/16x33/64" dia	½	1035	14	VS335
55 U 862	230	Pkg. of 2 for .38	1½	2 25/64x1 21/64" dia.	½	A100	13	VS336
55 U 863	930	Pkg. of 4 for .64	1½	1 31/32x35/64" dia.	½	1015	15	VS034
55 U 020	1306	.62 ea.	4½	1 31/32x43/64" dia.	¼	333	. . . .	VS1149
55 U 666	A4	.78 ea.	6	1 9/32x1 9/32x2 11/32"	¼	. . . .	. . . .	. . . .
55 U 670	C6X	1.23 ea.	9	2 5/16x1 1/32x6 1/16"	¾	2356	. . . .	. . . .
55 U 098	D5	1.15 ea.	7½	2 9/16x2x2 23/32"	⅞	707	26	VS315
55 U 652	D6	1.36 ea.	9	2 9/16x2x3"	1	276	1603	VS306
55 U 667	D6PI	1.92 ea.	3, 6, 9	2 19/32x1 7/16x7 27/32"	1½	2506	1601	VS301
55 U 103	D6S	1.75 ea.	9	2¼x1¼x7 29/32"	1⅛	2761	1608	. . . .
55 U 174	L6	.62 ea.	9	1 31/32x47/64" dia.	⅛	206	. . . .	VS337
55 U 102	M6	1.36 ea.	9	1 13/16x1 13/16x2 7/16"	½	266	. . . .	VS322
55 U 864	NE	Pkg. of 6 for .48	1½	1 11/64x7/16" dia.	1½	. . . .	. . . .	. . . .
55 U 093	P6	.62 ea.	9	1 15/16x1" dia.	¼	226	1600	VS300
55 U 770	PM6	.80 ea.	9	1 15/16x1" dia.	¼	226	1600	VS300
55 U 012	PM8	.95 ea.	12	2 7/16x1" dia.	⅛	. . . .	1810M	VS329
55 U 657	XX9	1.77 ea.	9, 13½	1 9/32x29/32x2 17/32"	¼	239	1900	VS304
55 U 364	Y6	.83 ea.	9	3/5x3/5x1 9/10"	⅛	E177	1606	VS309A

PORTABLE "A" BATTERIES

Stock No.	Mfr's Type	Price	Volts	Size	Wt. Lbs.	Replaces: Eveready	Ray-O-Vac	RCA
55 U 866	2R	Pkg. of 2 for .26	1½	2 25/64x1 21/64" dia.	½	950	2LP	VS036
55 U 644	21R	.42 ea.	1½	4⅛x1 21/64" dia.	½	964	20	VS236
55 U 041	B5	2.27 ea.	7½	3 29/32x⅞x2 27/32"	½	713	8	VS129
55 U 044	C5	1.23 ea.	7½	2 7/32x1 15/16x3 1/32"	¾	717	9	VS065
55 U 592	F3	1.23 ea.	4½	4x1 7/16x4⅛"	1¼	736	A3	VS067
55 U 053	T5	1.32 ea.	7½	2 17/32x2 19/32x3 29/32"	1½	W360	A10	. . . .
55 U 593	Z4	.87 ea.	6	1 3/16x1 3/16x2 7/32"	¼	724	A2	VS068

PORTABLE "B" BATTERIES

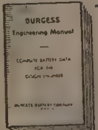
Stock No.	Mfr's Type	Price	Volts	Size	Wt., Lbs.	Replaces: Eveready	Ray-O-Vac	RCA
55 U 570	A30	2.92 ea.	45	3 9/16x2¼x4 5/16"	1¾	W359	206	VS014
55 U 571	B30	3.47 ea.	45	4 1/16x2 17/32x5 5/16"	2¼	484	207	VS012
55 U 669	N60X	3.47 ea.	90	1⅞x1 11/32x7⅛"	1⅛	495	. . . .	VS316
55 U 645	P45	2.70 ea.	67½	1 29/32x1x5 9/32"	¾	477	211P	VS218
55 U 651	P60	2.97 ea.	90	1 29/32x1x7 13/32"	1	479	214	VS219
55 U 649	U30	1.75 ea.	45	1 3/32x1 9/32x3 17/32"	¼	415	213	VS086
55 U 668	UX45	2.07 ea.	67½	1 7/32x3 1/32x3 31/32"	½	416	. . . .	VS318
55 U 586	XX50	3.15 ea.	75	1 27/32x1 5/16x6 5/16"	1	437	212	VS217
55 U 581	XX69	4.86 ea.	103½	1 11/32x1 11/32x1 23/32"	1	W361	69N	. . . .
55 U 572	Z30	2.76 ea.	45	3x2 5/16x4 1/16"	1½	738	205	VS015

PORTABLE "AB" PACKS

Stock No.	Mfr's Type	Price	Volts	Size	Wt., Lbs.	Replaces: Eveready	Ray-O-Vac	RCA
55 U 654	4TZ60	5.33 ea.	1½. 90	7⅝x2⅛x3¾"	4	729	425	VS064
55 U 589	F6A60P	6.35 ea.	9, 90	9 7/16x2¾x4 11/32"	5¼	757	406	VS058
55 U 579	G6B60	6.35 ea.	9, 90	13 29/32x2 13/16x4 21/32"	6¼	752	A400	VS047
55 U 653	T5Z50P	6.22 ea.	7½. 75	8½x3 11/32x2⅜"	3½	785	431	VS060
55 U 587	T6Z60	6.35 ea.	7½. 9. 90	8 15/16x2 3/16x3 13/16"	4½	756	405	VS057W

"FEATHERWEIGHT" "B" BATTERIES—INCLUDING HEARING AID TYPES

Stock No.	Mfr's Type	Price	Volts	Size	Shpg. Wt. Oz.	Replaces: Eveready	Ray-O-Vac	Sonotone
55 U 054	XX15	1.37 ea.	22½	1 11/32x15/16x3⅞"	4	425P	PN15	. . . .
55 U 055	XX22	2.25 ea.	33	2 17/32x3 1/32x3⅛"	6	433P	PN22	. . . .
55 U 060	XX30PI	2.27 ea.	45	2 17/32x3 1/32x4 1/32"	12	455P	PN30F	. . . .
55 U 104	K-10	1.28 ea.	15	1¼x⅞x1 17/32"	2	417	. . . .	. . . .
55 U 105	K-15	1.44 ea.	22½	1¼x⅞x2 9/32"	2	420	. . . .	. . . .
55 U 064	U15	1.05 ea.	22½	1x39/64x1 31/32"	2	412	215	VS084
55 U 068	Y20	1.30 ea.	30	1 3/16x1 9/32x1 13/32"	3	506	. . . .	. . . .
55 U 077	Y20S	1.30 ea.	30	1 19/32x1 9/32x2 9/16"	3	507	. . . .	. . . .



BATTERY ENGINEERING MANUAL

Provides complete data on batteries for engineers. Crammed with illustrations, including curves for estimating performance, terminal illustrations, dimensions, etc. 148 pages. Size, 6x9½". 10 oz.
38 U 874 E........................1.00

Allied stocks factory-fresh Burgess batteries featuring superior construction, materials, and thorough performance testing. Designed for long, reliable service at peak operating efficiency.

2V78

SPECIAL-PURPOSE TAPE RECORDER BAT

Extremely compact, highly dependable b
designed by Burgess specifically for use in tra
ized pocket-type, portable tape recorders. R
constructed from superior materials, these b
are power-packed with extra capacity to ensu
service life. *Indicates that battery has flat-ty
tact. †Indicates that battery has snap-type c

Stock No.	Type	Each	Volts	Size
55 U 110	†2X62X	3.20	1½. 9	2½x1 25/32x2 11/32"
55 U 111	†2X7	1.82	10½	2½x1 25/32x2 11/32"
55 U 120	*2V78	2.00	10½	1⅜x1 9/32x3⅝"

Popular EVEREADY Batteries and Lanterns

SPECIAL-PURPOSE BATTERIES

oduction standards and exacting quality control procedures, guarantee of long life and top performance.

PHOTOFLASH BATTERIES

high peak current for proper synchronization oid shutter and bulb. Type 467 is for slave ypes 460, 482, 489, 490, 491, 492, 493, 497 are for electronic repeating flash. Types 411, , and 505 are for B-C units. Types 815, 835 are cylindrical cells for high initial current e—Type 815 is Size "AA", Type 835 is Size ype 850 is Size "D."

	Mfr's Type	Volts	Size	Shpg. Wt.	Price	Replaces Burgess
08	411	15	1 1/32x5/8x1 29/64″	2 oz.	.81 ea.	U10
10	413	30	1 1/32x5/8x2 9/16″	2 oz.	1.23 ea.	U20
04	457	67½	2 11/16x1 5/16x2¼″	¾ lb.	2.70 ea.	K45
14	467	67½	2 13/16x1⅜x3 5/64″	¾ lb.	2.70 ea.	XX45
05	482	45	3 19/32x1 27/32x5½″	2 lbs.	2.97 ea.	M30
13	489	225	4 11/32x2 11/16x4 3/16″	2½ lbs.	6.96 ea.	XX150
07	490	90	3 23/32x1⅜x3 45/64″	1 lb.	3.15 ea.	V60
09	491	240	2 19/32x1 5/16x4½″	¾ lb.	5.56 ea.	U160
06	492	225	3 9/16x2 29/32x4 29/32″	2½ lbs.	7.65 ea.	N150
11	493	300	2 11/16x2 7/32x3 29/32″	1 lb.	8 37 ea.	U200
12	497	510	3x1 19/32x5⅝″	1½ lbs.	11.16 ea.	U320
15	504	15	5/8x1 9/32x1⅜″	1 oz.	.81 ea.	Y10
16	505	22½	5/8x1 9/32x1 63/64″	1 oz.	1.05 ea.	Y15
03	726	4½	4 3/32x1 7/16x2 15/16″	¾ lb.	1.23 ea.	D3
02	815	1½	9/16 dia. x 1 31/32″	½ lb.	Pkg. of 2/.33	920
00	835	1½	1 1/32 dia. x 1 15/16″	½ lb.	Pkg. of 2/.33	120
01	850	1½	1 11/32 dia. x 2 13/32″	¾ lb.	Pkg. of 2/.38	220

ALKALINE ENERGIZER BATTERIES

e energizer batteries deliver higher am- with constant output over a much longer than do standard flashlight batteries. lowest operating costs in high-drain tions. Outstanding service over wide tem- e range. Ideal for use in portable TV sets, ns, electric toys and games, etc. *Types , 563, 564 are rechargeable; for portable onos, etc. Sizes: E90—"N"; E91—"AA"; AAA"; E93—"C"; E95—"D".

	Mfr's Type	Volts	Size	Price	Replaces	
					Mallory	Burgess
40	E90	1½	15/32 dia. x 1⅛″	Pkg. of 3/.81	Mn1900	AL-N
25	E91BP	1½	9/16 dia. x 1 31/32″	Pkg. of 2/.66	Mn1500	AL-9
38	E92	1½	13/32 dia. x 1 47/64″	Pkg. of 2/.66	Mn2400	AL-7
16	E93BP	1½	1 1/32 dia. x 1 15/16″	.40 ea.	Mn1400	AL-1
15	E95BP	1½	1 11/32 dia. x 2 13/32″	.50 ea.	Mn1300	AL-2
56	E177	9	35/64 dia. x 1 29/32″	1.29 ea.	TR-177	H-177
96	523	4½	21/32 dia. x 1 31/32″	.82 ea.	PX-21	AL-133
97	531	4½	5/8 dia. x 2 19/64″	.82 ea.	PX-19	....
57	*560	7½	2 21/32x1 17/32x7 5/32″	4.33 ea.	....	....
58	*561	15	8 5/16x2 13/16x5⅞″	10.62 ea.	....	....
59	*563	4½	1 23/64 dia. x 7 5/32″	2.76 ea.	....	....
43	*564	4	8 5/16x2 13/16x5⅞″	9.94 ea.	....	....

4-VOLT NICKEL-CADMIUM BATTERIES

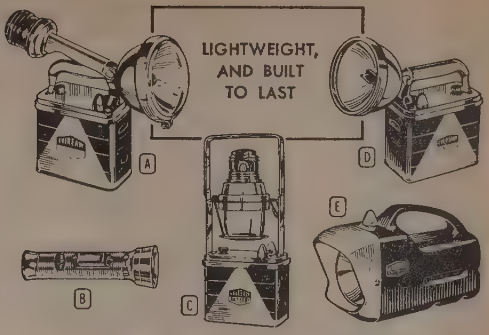
torage (secondary) batteries. They can be re- many times to give long, economical life. They t adversely affected by long storage, either or discharged. All are 1¼ volts. Pressure con- xcept Suffix "T" indicates solder lug terminals. sealed in steel. Sizes: Type N46—AA; type N54— e N57 D. †10-hour discharge rate. Av. wt., 3 oz.

BUTTON CELLS

	Mfr's Type		Size	† Ma	Replaces Burgess	EACH
	New	Old				
17	B20	N22	29/64x7/32″	2	CD1	1.05
18	B50	N24	39/64x15/64″	5	CD2	.70
27	B150	N26	63/64x15/64″	10	CD8	.77
28	B150T	N26T	63/64x¼″	10	CD8L	.90
19	B225	N28	63/64x9/32″	15	CD3	.80
22	B225T	N28T	63/64x19/64″	15	CD3L	.93
23	B450	N32	63/64x1 1/32″	22.5	CD4	.83
24	B450T	N32T	63/64x⅜″	22.5	CD4L	.97
31	BH225	N33	1x23/64″	225	....	.97
25	B100	N36	1 45/64x19/64″	45	CD5	1.47
26	B100T	N36T	1-7/10x21/64″	45	CD5L	1.60
32	BH500	N38	1 23/64x25/64″	500	....	1.75

CYLINDRICAL CELLS

	Mfr's Type New	Mfr's Type Old	Size	† Ma	Replaces Burgess	EACH
29	C450	N46	9/16x1 61/64″	45	CD6	1.93
30	C450T	N45T	9/16x2 9/32″	45	CD6L	2.10
33	C2	N52	35/64x3 11/16″	90	CD9	3.17
37	C2T	N53T	7/8x1 43/64″	120	CD12	2.71
31	C900	N56	1 19/64x2 27/64″	250	CD7	4.06
32	CH4	N56T	1 19/64x2 25/32″	250	CD7L	4.19
34	CH4T	N56	1 19/64x2 27/64″	400	CD10	5.69
35	CH750T	N57T	1 19/64x2 49/64″	400	CD10L	5.82


LIGHTWEIGHT, AND BUILT TO LAST
A
D
E
B
C

RUGGED LANTERNS AND FLASHLIGHTS

A **100 Lantern.** Heavy-gauge, chrome-plated steel construction. Swivel head and safety red flasher. With sealed-beam lamp. Less 731 battery (see lantern batteries, below).
55 U 027. Shpg. wt., 2 lbs. 6.45

B **9951 Magnetized Flashlight.** 3-way lock switch, flasher. Less batteries (uses 2 "D" batteries, see flashlight batteries below).
55 U 029. Shpg. wt., ½ lb. 1.66

C **106 Camp Lantern.** Combination floodlight and searchlight. Chrome-plated steel construction. Has swivel head. With lamp. Less 731 battery (see lantern batteries, below).
55 U 028. Shpg. wt., 2 lbs. 4.92

D **101 Lantern.** As above, but less red flasher.
55 U 023. Shpg. wt., 1¾ lbs. 4.80

E **108 Lantern.** Lightweight polyethylene. Up-front switch. With lamp. Less 509 battery (lantern batteries, below).
55 U 022. Shpg. wt., 1 lb. 2.53

FLASHLIGHT BATTERIES

950
935
915
912

Long-life zinc-carbon batteries, specially sealed to provide protection in handling, and protection against corrosive leakage that can damage your flashlight. Supplied fresh from the factory, and designed to give maximum service in all popular-size flashlights. Type 935 (size "C") is for baby tubular flashlights. Types 950 and 1150 (size "D") are for standard flashlights. Type 1050 is a heavy-duty type, providing much longer life. Type 915 (size "AA") is for standard penlights. Type 912 (size "AAA") fits slim penlights. Type 904 is designed for miniature and novelty lights. Av. shpg. wt. per pkg., 10 oz.

Stock No.	Mfr's Type	Size (LxDia.)	Price	Replaces	
				Bur-gess	Ray-O-Vac
55 U 078	935	1 15/16x63/64″	Pkg. of 2 For .26	1	1LP
55 U 079	950	2⅜x1 21/64″	Pkg. of 4 For .52	2	2LP
55 U 080	912	1¾x13/32″	Pkg. of 2 For .20	7	400
55 U 081	1150	2⅜x1 21/64″	Pkg. of 4 For .76	210	3LP
55 U 083	915	1 31/32x35/64″	Pkg. of 2 For .20	Z	7R
55 U 082	904	1 11/64x7/16″	Pkg. of 6 For .48	N	716

LANTERN BATTERIES

Specially designed for use with railroad-type lanterns. Type 509 has positive coil-spring contacts. Others have binding posts. Type TW1S features pressurized construction for underwater use. All are 6-volt batteries, except Type 732, which is 12-volt.

Stock No.	Mfr's Type	EACH	Size	Wt., Lbs.	Replaces	
					Bur gess	Ray-O-Vac
55 U 084	509	.85	2⅝x2⅝x4⅜″	1½	F4M	941
55 U 085	510S	.85	2⅝x2⅝x4″	1½	F4BP	941SC
55 U 086	510F	85	2⅝x2⅝x4½″	1¼	F4SC	941C
55 U 0.7	731	1.96	5⅜x2⅞x4 15/16″	3¼	TW1	918
55 U 088	732	1.96	5⅜x2⅞x4 15/16″	3¼	TW1S	......

BATTERY DATA AND ENGINEERING MANUAL

"EVEREADY" BATTERY
APPLICATIONS AND ENGINEERING
DATA

Profusely illustrated with diagrams, curves, and dimensions, this book is rich in battery data. Also has complete cross reference of Eveready types with those of other manufacturers, as well as NEDA, and military numbers. Also includes list of Bureau of Standards publications. 516 pages. 6x8½″.
37 U 200 E. Shpg. wt., 1 lb. 4.95

Highly Reliable Mercury Batteries

- **Extremely Long Shelf Life • Uniform Discharge Voltage**
- **Ideal for Applications that Demand High Reliability**
- **Extended Operating Life Ensured by Superior Construction**
- **Self-Venting of TR Types to Release Excessive Gas**

Because they offer exceptionally long storage life, uniform discharge voltage, and extended operating life under difficult conditions, these batteries are used by many electronics manufacturers and designers. Suffix "T" of RM Type batteries indicates 1/2" tab on negative terminal, while "T2" indicates 2 tabs. TR Type batteries are transistor powerpaks. Radio types ensure peak performance of portables, and function well under high pressure and high temperature. *Milliamp hours. †Batteries with snap terminals.

Stock No.	Mfr's Type	Price	Volts	Cap. MAH*	Use	Dia. x Ht. or HWD	Replaces Eveready	Replaces Burgess
55 U 121	PX1	.60 each	1.35	......	Photo	5/8x2 1/32"	......	......
55 U 122	PX4	1.57 each	5.6	......	Photo	5/8x1 15/16"	EPX4	......
55 U 123	PX6	2.75 each	8.1	......	Photo	5/8x4 1/8"	EPX6	......
55 U 317	PX13	.42 each	1.35	......	Photo	3/8x1/4"	EPX13	HPX13
55 U 124	PX14	.87 each	2.7	......	Photo	5/8x39/64"	EPX14	HPX14
55 U 125	MN1300	.65 each	1.5	......	Photo	1 1/4x2 3/8"	......	......
55 U 126	PX21	.84 each	4.5	......	Photo	5/8x2"	523	......
55 U 921	RM1	Pkg. of 2 for 1.04	1.4	1000	Electronic	5/8x2 1/32"	E1	HG1
55 U 922	RM1R	Pkg. of 2 for 1.28	1.35	1000	Electronic	5/8x2 1/32"	E1N	HG1R
55 U 949	RM1RT	Pkg. of 2 for 1.38	1.35	1000	Electronic	5/8x2 1/32"	E1NTI	HG1RT
55 U 923	RM1RT2	Pkg. of 2 for 1.46	1.35	1000	Electronic	5/8x2 1/32"	......	......
55 U 924	RM3R	Pkg. of 2 for 2.10	1.35	2200	Electronic	1x2 1/32"	E3	HG3
55 U 925	RM4R	Pkg. of 2 for 2.62	1.35	3400	Electronic	1 1/5x2 1/32"	E4	HG4R
55 U 926	RM4RT	Pkg. of 2 for 2.72	1.35	3400	Electronic	1 3/16x1 1/16"	......	......
55 U 927	RM4Z	Pkg. of 2 for 2.00	1.4	2400	Electronic	1 3/16x1/2"	......	......
55 U 928	RM12	Pkg. of 2 for 1.74	1.4	3600	Electronic	5/8x2"	F12	HG12
55 U 929	RM12R	Pkg. of 2 for 2.10	1.35	3600	Electronic	5/8x2"	E12N	HG12R
55 U 930	RM12RT	Pkg. of 2 for 2.20	1.35	3600	Electronic	5/8x2"	......	......
55 U 931	RM12RT2	Pkg. of 2 for 2.30	1.35	3600	Electronic	5/8x2"	......	......
55 U 964	RM24	Pkg. of 2 for 1.06	1.4	1000	Radio	3/8x1 23/32"	......	......
55 U 502	RM42	2.44 each	1.4	14000	Electronic	1 13/16x2 3/8"	E42	......
55 U 687	RM42R	2.76 each	1.35	14000	Electronic	1 13/64x2 3/8"	E42N	HG42R
55 U 963	RM42RT	2.32 each	1.35	14000	Electronic	1 13/64x2 3/8"	E42NT1	HG42RT
55 U 375	RM42RT2	2.86 each	1.35	14000	Electronic	1 3/16x2 3/8"	......	......
55 U 950	RM312	Pkg. of 2 for .48	1.4	36	Electronic	5/16x9/64"	E312	HG312
55 U 965	RM400	Pkg. of 2 for .48	1.4	80	Electronic	15/32x1/8"	E400	HG400
55 U 951	RM400R	Pkg. of 2 for .70	1.35	80	Electronic	15/32x1/8"	E400N	HG400R
55 U 966	RM400RT2	Pkg. of 2 for .90	1.35	80	Electronic	15/32x1/8"	E400NT2	HG400RT2
55 U 890	RM401	Pkg. of 2 for .88	1.4	800	Electronic	15/32x1 1/8"	E401	HG401
55 U 967	RM401R	Pkg. of 2 for 1.20	1.35	800	Electronic	15/32x1 1/8"	E401N	HG401R
55 U 952	RM411	Pkg. of 2 for 4.00	14.0	160	Electronic	1x17/32x1 3/32"	......	......
55 U 953	RM412	Pkg. of 2 for 5.52	22.4	160	Electronic	1x17/32x1 5/16"	......	......
55 U 954	†RM413	Pkg. of 2 for 6.92	28.0	160	Electronic	1x17/32x2 1/2"	......	......
55 U 955	†RM415	Pkg. of 2 for 10.20	42.0	160	Electronic	1 1/16x9/16x3 1/2"	......	......
55 U 956	RM450R	Pkg. of 2 for 1.06	1.35	350	Electronic	29/64x9/16"	E450	HG450R
55 U 957	RM502R	Pkg. of 2 for 1.74	1.35	2400	Electronic	1/2x2"	E502	HG502R
55 U 958	RM520	Pkg. of 2 for .34	1.4	130	Electronic	9/32x1/2"	E520	HG520
55 U 042	RM575	Pkg. of 2 for .48	1.4	100	Radio	.455x.129"	......	HG575
55 U 968	RM601R	Pkg. of 2 for 1.66	1.35	1800	Electronic	5/8x1 1/8"	E601	HG601R
55 U 969	RM625	Pkg. of 2 for .84	1.35	250	Electronic	3/8x1/4"	E625	HG625
55 U 961	RM625R	Pkg. of 2 for 1.06	1.35	250	Electronic	3/8x1/4"	E625	HG625R
55 U 962	RM625RT	Pkg. of 2 for 1.16	1.35	250	Electronic	5/8x1/4"	E625NT1	HG625RT
55 U 959	RM625RT2	Pkg. of 2 for 1.26	1.35	250	Electronic	5/8x1/4"	......	......
55 U 897	RM630	Pkg. of 2 for .84	1.4	350	Electronic	5/8x1/4"	E630	HG630
55 U 970	RM630R	Pkg. of 2 for 1.06	1.35	250	Electronic	5/8x7/32"	E630N	HG630R
55 U 892	RM640	Pkg. of 2 for .84	1.4	500	Electronic	5/8x7/16"	E640	HG640
55 U 971	RM640R	Pkg. of 2 for 1.06	1.35	500	Electronic	3/8x7/16"	E640N	HG640R
55 U 960	RM640RT2	Pkg. of 2 for 1.26	1.35	500	Electronic	5/8x7/16"	E640NT2	HG640RT2
55 U 899	RM675	Pkg. of 6 for 1.92	1.4	160	Electronic	29/64x13/64"	E675	HG675
55 U 893	TR113R	Pkg. of 2 for 3.44	4.05	250	Electronic	21/32x27/32"	E113	H113R
55 U 894	TR114R	Pkg. of 2 for 3.70	5.4	250	Electronic	21/32x1 1/16"	E114	H114R
55 U 895	TR114RT2	Pkg. of 2 for 3.90	5.4	250	Electronic	21/32x1 1/16"	......	......
55 U 972	TR115	Pkg. of 2 for 4.12	7	250	Dictating	21/32x1 9/32"	E115	......
55 U 896	TR115R	Pkg. of 2 for 4.12	6.75	250	Electronic	21/32x1 9/32"	E115N	......
55 U 891	TR126	Pkg. of 2 for 2.62	8.4	600	Radio	3/4x15/16"	E126	H126
55 U 973	TR132	Pkg. of 2 for 2.10	2.8	1000	Paging	21/32x1 5/16"	E132	......
55 U 898	TR132R	Pkg. of 2 for 2.34	2.7	1000	Electronic	21/32x1 5/16"	E132N	H132R
55 U 883	TR133	Pkg. of 2 for 2.34	4.2	1000	Radio/Pag.	21/32x2"	E133	H133
55 U 932	TR133R	Pkg. of 2 for 2.70	4.05	1000	Radio/Pag.	21/32x2"	E133N	H133R
55 U 976	TR134	Pkg. of 2 for 3.14	5.6	1000	Electronic	21/32x2 5/8"	E134	......
55 U 933	TR134R	Pkg. of 2 for 3.44	5.4	1000	Electronic	21/32x2 5/8"	E134N	H134R
55 U 974	TR134T2	Pkg. of 2 for 3.34	5.6	1000	Electronic	21/32x2 5/8"	......	H134T2
55 U 975	TR135	Pkg. of 2 for 4.12	7	1000	Electronic	21/32x3 1/4"	E135	......
55 U 934	TR135R	Pkg. of 2 for 4.00	6.75	1000	Electronic	21/32x3 1/4"	E135N	H135R
55 U 978	TR136	Pkg. of 2 for 4.54	8.4	1000	Electronic	21/32x3 29/32"	E136	......
55 U 935	TR136R	Pkg. of 2 for 4.80	8.1	1000	Electronic	21/32x3 29/32"	E136N	H136R
55 U 977	TR137	Pkg. of 2 for 5.24	9.8	1000	Electronic	21/32x3"	E137	......
55 U 985	TR137R	Pkg. of 2 for 5.52	9.45	1000	Electronic	21/32x4 17/32"	E137R	H137R
55 U 936	TR145	Pkg. of 2 for 3.44	7	250	Electronic	21/32x1 3/16"	E145	H145
55 U 884	†TR146X	Pkg. of 2 for 2.62	8.4	585	Radio	1x19/32x1 15/16"	E146	H146
55 U 986	TR152	Pkg. of 2 for 1.74	2.8	350	Electronic	15/32x1 1/8"	E152	......
55 U 937	TR152R	Pkg. of 2 for 2.10	2.7	350	Electronic	15/32x1 1/8"	E152N	H152R
55 U 984	TR153	Pkg. of 2 for 2.34	4.2	350	Electronic	1/2x1 23/32"	E153	......
55 U 938	TR153R	Pkg. of 2 for 2.70	4.05	350	Electronic	1/2x1 23/32"	E153N	H153R
55 U 939	TR162R	Pkg. of 2 for 2.10	2.7	500	Electronic	21/32x7/8"	E162	H162R
55 U 940	TR163	Pkg. of 2 for 2.34	4.2	500	TV Tuner	21/32x1 5/16"	E163	H163
55 U 979	TR163R	Pkg. of 2 for 2.58	4.05	500	Electronic	21/32x1 5/16"	E163N	H163R
55 U 885	TR164	Pkg. of 2 for 2.62	5.6	500	Radio	21/32x1 25/32"	E164	H164
55 U 988	TR164R	Pkg. of 2 for 3.14	5.4	500	Electronic	21/32x1 25/32"	E164N	H164R
55 U 941	TR165	Pkg. of 2 for 3.40	7.0	500	TV Tuner	21/32x2 3/16"	E165	H165
55 U 987	TR165R	Pkg. of 2 for 3.80	6.75	500	Electronic	21/32x2 3/16"	E165N	H165R
55 U 942	TR169	Pkg. of 2 for 7.00	12.6	500	Electronic	21/32x3 61/64"	E169	......
55 U 886	TR175	Pkg. of 2 for 2.10	7.0	160	Radio	31/64x1 3/32"	E175	......
55 U 887	†TR177	Pkg. of 2 for 2.62	9.8	160	Radio	35/64x1 29/32"	E177	H177
55 U 888	TR233	Pkg. of 2 for 4.54	4.2	2200	Radio	1x2"	E233	H233
55 U 989	TR233R	Pkg. of 2 for 5.24	4.05	2200	Electronic	1x1 15/16"	E233N	......
55 U 990	TR234	2.76 each	5.6	2200	Electronic	1x2 19/32"	E234N	......
55 U 360	TR234R	3.15 each	5.6	2200	Electronic	1x2 19/32"	E234	......
55 U 943	TR235R	Pkg. of 2 for 7.34	6 75	2200	Electronic	1x3 1/4"	E235N	......
55 U 991	TR236R	Pkg. of 2 for 8.30	8.1	2200	Electronic	1x3 27/32"	E236N	......
55 U 889	†TR286	Pkg. of 2 for 2.70	8.4	750	Radio	1x1 15/16"	E286	......
55 U 944	†TR289	Pkg. of 2 for 4.54	12.6	750	CB Radio	1x2 25/64"	E289	......
55 U 881	ZM9	Pkg. of 2 for 1.28	1.4	2400	Radio	1/2x1 31/32"	E9	HG9

MAL
TR
TR
TR
RM
R
RM
ZM
RM-

Batteries, Battery Plugs and Holders

BURGESS STANDARD DRY BATTERIES

erior Quality, Dependable Performance
ranteed Fresh Stock at All Times

batteries suitable for radio laboratory
by requirements. Manufactured to high
s, they are fully inspected to insure uni-
h quality. Our huge turnover guarantees
ck at all times. Battery type numbers
vith letters "PI" indicate plug-in type
s; battery type numbers ending with "SC" have spring-
inals; "BP" indicates binding post terminals.

"A" BATTERIES

k	Mfr's Type	EACH	Volts	Size	Wt., Lbs.
90	2BBP	1.16	1½	1 19/32x27/32x2 11/16″	¼
01	2F	1.22	1½	2 19/32x1 3/8x4 1/4″	¾
40	2F2H	1.64	3	2 5/8x2 5/8x4 1/16″	1½
33	2F2BP	5.35	3	5 3/16x1 5/16x4 5/32″	1½
02	2F4	2.87	6	4x2 13/16x5 7/16″	2½
30	2FBP	.79	1½	2 21/32x1 3/8x4 1/32″	1
35	2Z2P1	.90	3	1 5/32x1 5/32x2 13/32″	¼
48	37	.97	1½	6 1/8x1 5/16″ dia.	¼
03	4F	1.15	1½	2 5/8x2 5/8x4 3/32″	1½
34	422	.79	3	1 11/32x23/32x2 5/16″	¼
26	432	.87	4½	1 31/32x21/32x2 1/4″	¼
45	5R	.48	1½	2 15/64x49/64″ dia.	¾
91	532	1.36	4½	2 15/32x1 3/16x2 23/32″	¼
95	6F	2.69	1½	4 3/32x2 3/4x4 1/16″	2¼
04	8F	2.76	1½	3 29/32x2 23/32x5 1/2″	3
46	8R	.87	1½	3 15/16x1 3/32″ dia.	¼
47	9R	.12	1½	1 63/64x35/64″ dia.	¼
32	B2BP	2.42	3	1 5/8x1 3/16x2 11/16″	¼
11	F2BP	1.33	3	2 21/32x1 3/8x4 1/32″	1
09	F4BP	.85	6	2 5/8x2 5/8x4″	1½
07	F4PI	1.15	6	2 21/32x2 21/32x4 1/8″	1½
08	G3	1.36	4½	4 1/16x1 7/8x4 11/16″	1¼

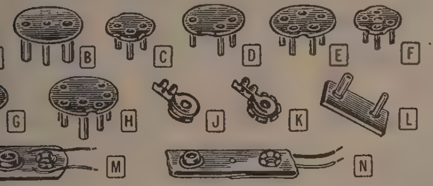
"B" BATTERIES

57	10308SC	6.96	45	8 1/32x4 1/32x7 3/16″	12
55	21308SC	6.96	45	8 1/8x4 15/32x7 9/32″	13
58	2308SC	6.96	45	8 3/32x2 31/32x7 1/4″	7½
60	4156	1.61	22½	3 17/32x2 1/8x2 29/32″	1
61	5156PI	4.16	22½	4 7/64x2 3/8x2 55/64″	1¾
62	5156SC	4.16	22½	4 1/8x2 1/2x2 3/4″	1¾
59	5308	3.05	45	4 1/16x2 9/16x5 1/8″	2½
09	Z30T	2.62	45	3x2 5/16x4 1/8″	1½
67	W30BPX	6.05	45	3x1 1/4x3 25/32″	¾
69	Z30NX	2.69	45	3 1/32x1 7/8x4 19/32″	1½
98	Z60BP	17.50	90	3 3/4x2 11/32x5 15/16″	2¾

"C" BATTERIES

83	2370	1.76	4½	3 15/16x1 3/8x2 7/8″	¾
63	2370PI	2.14	4½	4 1/64x1 27/64x2 63/64″	1
65	5360	1.23	4½	2 13/32x27/32x2 21/32″	¼
64	5540	1.80	7½	4x7/8x2 3/4″	½
91	A9BP	8.75	13½	2 3/32x2 3/32x2 13/32″	½
68	W5BP	2.05	7½	2 31/32x2 3/32x1 3/4″	¼

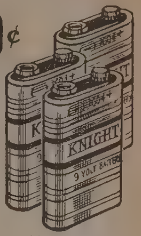
CINCH-JONES BATTERY PLUGS



nes plugs for "A," "B" and various other batteries. *5 prongs,
tock clips. Av. shpg. wt., 1 oz. 2 per package.

.	Type	Fig.	For Burgess Battery	For Eveready	PKG/2
3	5A1	A	2F, 4F, 6F, 8F, 2D, 8R	720, 960P	.08
0	5A5	B	B5, C5, J5	717	.14
6	5B1A	C	XX15, XX22, XX30P1	425P, 433P	.10
0	5B2-1	D	A30, B30, M30, W30P1, Z30, 10308P1	W-359	.14
3	5C-2	E*	5156P1	778	.14
1	5AB2	F	2TXX40	...	.12
7	5AB1-1	G	6TA60, 4TZ60	729, W369	.17
2	5AB7	H	F6A60, G6M60, T6Z60	753, 755, 756	.19
1	5M	J	P6, D5, P6M, M6 XX45, XX30, XX50, K45, P45, P45M, P60, D6, 4D4, N60X, C6X	226, 707, 467, 266, 455, 477, 457, 437, 495	.12
2	5F	K			.12
9	5A3	L	D3, F3, G3	726, 736	.09
5	5A4	L	2F4, F4P1, XX15, XX22, XX30P1	...	.10
4	5D	M	U30, 2U6, 2N6, UX45	415, 216, E146	.69
7	5D1	N	XX50, P45, P45M, P60, N60X, C6X	477, 479	.67
9	5MFA	N	XX45, XX30, K45	457	.67

KNIGHT 9-V TRANSISTOR RADIO BATTERY



- American-Made at Imported-Battery Prices
- Fits Most American and Japanese Instruments
- Famous-Name Manufacturer

3 for 79¢

Made by a famous American manufacturer, yet sells at imported-battery prices. Replaces most transistor radio batteries. Replaces Burgess 2U6, RCA VS323, Eveready 216, Marathon 1604, Western Auto 3B469, Montgomery Ward 123, Sears 6417 and many others. 1 7/8x 39/64x1″. Shpg. wt., 6 oz.

55 U 999............Pkg. of 3 for .79

EVEREADY SPECIAL-PURPOSE BATTERIES

IGNITION/HOBBY AND GLO-PLUG POW-R-PAK

Reliable batteries designed specifically for model plane and general ignitions, radio control, models, toys, games, and other electronic hobby projects. 711 and E97S (size "G" cylindrical alkaline type, not illustrated) can be used with glo-plugs. All have screw terminals.

EVEREADY
HOBBY BATTERY

735

EVEREADY
IGNITOR

711

Stock No.	Type	Size	Wt.	EACH
55 U 056	E97S	1 11/32x5 7/32″	9 oz.	.73
55 U 057	711	2 21/32x1 11/32x4 3/8″	13 oz.	.79
55 U 058	735	2 5/8x2 5/8x4 3/8″	1 lb.	.84
55 U 025	1010	4x3x2″	8 oz.	5.30
55 U 094	6 Ign.	6 5/8x2 1/4″ dia.	2 lbs.	.91
55 U 095	6 G. L.	6 5/8x2 1/4″ dia.	2 lbs.	.91
55 U 096	6 R.R.	6 5/8x2 1/4″ dia.	2 lbs.	.91

SILVER-OXIDE BUTTON-TYPE BATTERIES

Excellent in hearing aids, electric watches, and as reference voltage sources. Batteries provide higher voltage and greater milliwatt-hour* ratings. All are 1½ volts. Av. wt., 3 oz.

Stock No.	Type	Ht. x Dia.	MAH*	EACH
55 U 071	S41	.455x.165″	105	.27
55 U 072	S76	.455x.200″	165	.30

CORDLESS CLOCK BATTERIES

- Extra-Dependable
- Extra Long-Life
- Sealed-In Freshness

Specifically designed for the special requirements of battery-powered transistor clocks. 1½ v. Sizes: T35, "C"; T50, "D". 2 oz.

55 U 073. T35......Ea. .39
55 U 074. T50......Ea. .48

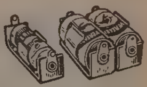
EVEREADY
Clock Battery

SIZE "C"

EVEREADY
Clock Battery

SIZE "D"

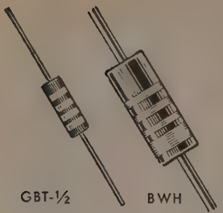
KEYSTONE BATTERY HOLDERS



Battery holders for transistor assemblies, radios, meters, model airplanes, etc. Snap-clips, mosture-proof fiber washers, mounting holes and aluminum-alloy, nickel-plated eyelets. *End to end. Wt., 3 oz.

Stock No.	Mfr's Type	Holds	Burgess	Mallory	Eveready	PKG. OF 2
55 U 900	104	1	...	RM3R	E3	.60
55 U 901	139	1	Z, 9R, Y15	RM12R, TR133R, RM502R, ZM-9	E9, E 12, E133, E502, 915, 1015E, 505	.46
55 U 902	140	2				.76
55 U 903	171	3				.98
55 U 904	182	4				1.28
55 U 906	173	1	1	TR233R	E233, 635	.60
55 U 907	174	2				.76
55 U 908	185	2	*	...	935	.90
55 U 909	137	1	7	...	912	.46
55 U 910	138	2				.76
55 U 911	132	1	...	TR132R, TR115R	E132	.60
55 U 912	175	1	2, Z4	RM42R	D99, A-100	.60
55 U 913	176	2			724	.76
55 U 914	186	2	*	...	950	.92
55 U 915	166	1	U10	...	411	.60

IRC Resistors and Resistor Kits



RESIST-O-GUIDE
ALLIED RADIO CORPORATION

FREE . . . . . Color Code Guide with purchase of 20 or more resistors. **Specify Stock No. 26 U 770.**

Type GBT and SR Fixed Composition. Choose from 10% (T
(Table B) tolerances. Meet or exceed MIL-R-11 specifi
stand 50-100% overloads for short periods. EIA coded.
25/64x9/64"; GBT-1, 9/16x7/32"; SR-¼, ¼x3/32"; SR-2, 11/
after hyphen in Type No. indicates wattage. May b
quantity price. **Quantities of 10 or more, same value, in pk**

Type BWH 2-Watt Fixed Wirewound. Values to 1500 Ohms
10% (Table A) or 5% (Table B) tolerances. Rated at
ambient temp.; 1-w. at 239°F; and ½-w. at 279°F. Mee
specifications. Small as 1-w. composition. EIA colo
first band. Inductance .04 to 4/5 µh from 0.24 to 1500

10% INSULATED GBT, SR AND BWH TYPES

TYPE GBT, SR 10% FIXED COMPOSITION

Stock No.	Type and Wattage	Values See Table "A"	EACH 1-9	Multiples of 10 Per Value, EA.
27 U 150 C	SR-¼	10 Ω to 1 meg	.13	.07
25 U 000 C	GBT-½	2.7 Ω to 22 megs	.12	.06
25 U 020 C	GBT-1	10 Ω to 22 megs	.18	.09
25 U 070 C	SR-2	10 Ω to 22 megs	.24	.15

TYPE BWH 10% 2-WATT FIXED WIREWOU

Stock No.	Mfr's Type	Values to 1500 Ohms See Table "A"
25 U 076 C	BWH	.27 ohms thru 8.2 ohms
25 U 077 C	BWH	10 ohms thru 1500 ohms
		No values above 1500 ohms

TABLE "A" 10% EIA (RETMA) STOCK VALUES—SPECIFY RESISTANCE WANTED

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Megs
0.27	1.2	5.6	27	120	560	2700	12K	56K	270K	1.2
0.33	1.5	6.8	33	150	680	3300	15K	68K	330K	1.5
0.39	1.8	8.2	39	180	820	3900	18K	82K	390K	1.8
0.47	2.2	10	47	220	1000	4700	22K	100K	470K	2.2
0.56	2.7	12	56	270	1200	5600	27K	120K	560K	2.7
0.68	3.3	15	68	330	1500	6800	33K	150K	680K	3.3
0.82	3.9	18	82	390	1800	8200	39K	180K	820K	3.9
1.0	4.7	22	100	470	2200	10K	47K	220K	1 meg	4.7

5% INSULATED GBT, SR AND BWH TYPES

TYPE GBT SR 5% FIXED COMPOSITION

Stock No.	Type and Wattage	Values See Table "B"	EACH 1-9	Multiples of 10 Per Value, EA.
27 U 155 C	SR-¼	10 Ω to 1 Meg	.26	.14
25 U 005 C	GBT-½	2.7 Ω to 22 megs	.24	.12
25 U 025 C	GBT-1	10 Ω to 22 megs	.36	.18
25 U 045 C	SR-2	10 Ω to 22 megs	.48	.24

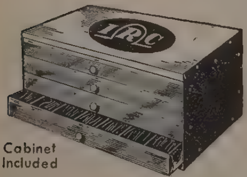
TYPE BWH 5% 2-WATT FIXED WIREWOU

Stock No.	Mfr's Type	Values to 1500 Ohms See Table "B"
25 U 078 C	BWH	.24 ohms thru 9.1 ohms
25 U 079 C	BWH	10 ohms thru 1000 ohms
25 U 024 C	BWH	1100 ohms thru 1500 ohms
		No values above 1500 ohms

TABLE "B" 5% EIA (RETMA) STOCK VALUES—SPECIFY RESISTANCE WANTED

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Megs
0.24	1.1	5.1	24	110	510	2400	11K	51K	240K	1.1
0.27	1.2	5.6	27	120	560	2700	12K	56K	270K	1.2
0.30	1.3	6.2	30	130	620	3000	13K	62K	300K	1.3
0.33	1.5	6.8	33	150	680	3300	15K	68K	330K	1.5
0.36	1.6	7.5	36	160	750	3600	16K	75K	360K	1.6
0.39	1.8	8.2	39	180	820	3900	18K	82K	390K	1.8
0.43	2.0	9.1	43	200	910	4300	20K	91K	430K	2.0
0.47	2.2	10	47	220	1000	4700	22K	100K	470K	2.2
0.51	2.4	11	51	240	1100	5100	24K	110K	510K	2.4
0.56	2.7	12	56	270	1200	5600	27K	120K	560K	2.7
0.62	3.0	13	62	300	1300	6200	30K	130K	620K	3.0
0.68	3.3	15	68	330	1500	6800	33K	150K	680K	3.3
0.75	3.6	16	75	360	1600	7500	36K	160K	750K	3.6
0.82	3.9	18	82	390	1800	8200	39K	180K	820K	3.9
0.91	4.3	20	91	430	2000	9100	43K	200K	910K	4.3
1.0	4.7	22	100	470	2200	10K	47K	220K	1 meg	4.7

RESISTOR ASSORTMENTS IN COMPACT METAL CABINETS



Cabinet Included

IRC balanced resistor assortments come to you in compact metal "Resist-O-Cabinets." Here's a practical and space-saving way to keep resistors handy. Cabinets have 4 drawers and 28 compartments. Each resistance value is in a separate compartment. Cabinet, 5⅜x5 15/16x10⅞".

2-WATT ASSORTMENT NO. 3A

120 2-watt resistors as follows: 7 each—8200, 10K, 22K, 47K; 5 each—1000, 6800, 15K, 100K; 4 each—100, 330, 470, 1500, 2200, 3300, 4700, 27K, 1.0 meg; 3 each—47, 82, 150, 220, 270, 3900, 220K, 470K; 2 each—4.7, 10, 22, 68; 1 each—15, 27, 33, 39. With cabinet. 4½ lbs.
26 U 776. *$5 Monthly*. 28.80

½-WATT ASSORTMENT NO. 4A

150 ½-watt resistors as follows: 8 each—1000, 47K, 100K, 270K, 470K, 1.0 meg; 7 each—4700, 10K, 220K, 2.2 meg; 5 each—3300, 22K, 27K, 33K, 330K, 4.7 meg; 4 each—100, 470, 1500, 2200, 2700, 56K, 68K, 3.3 meg; 3 each—47, 220, 270, 10 meg. With metal cabinet. Wt., 4½ lbs.
26 U 777. . . . . 18.00

COMBINATION ASSORTMENT

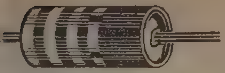
Complete resistor stock for AM, FM,
cuitry in one handy cabinet. Includes
sulated and Type DCF precision film
wattage ratings and resistance value
½ Watt: 4 each—1000, 47K, 100K, 2
1.0 meg; 3 each—4700, 10K, 220K,
each—47, 100, 150, 220, 270, 470,
2700, 3300, 15K, 22K, 27K, 33K,
150K, 4.7 meg. **1 Watt:** 4 each—1000
100K, 1.0 meg; 3 each—47K, 470K,
each—3300, 15K, 22K, 68K, 150K, 2
—47, 100, 150, 220, 270, 470, 1500,
4700, 33K, 39K, 220K, 4.7 meg. **2 W**
47, 100, 470, 4700, 10K, 22K, 47K.
each—1000, 10K, 100K, 1.0 meg, 5
compact metal Resist-O-Cabinet. 5 l
26 U 779. *$5 Monthly*. . . . .

1-WATT ASSORTMENT NO. 5A

125 1-watt resistors. 7 each—1000, 10K, 27K, 47K, 100K, 270K, 470K, 1.0 meg; 5 each—2200, 4700, 22K; 4 each—33K, 39K, 68K; 3 each—47, 100, 150, 220, 270, 470, 1500, 2700,
150K, 220K, 2.2 meg, 4.7 meg. 4¾ lbs
26 U 778. *$5 Monthly*. . . . .

Resistors, Surgistors, Thermistors, Calculators

OHMITE "LITTLE DEVIL" RESISTORS



ısulated, composition resistors in
atings as well as subminiature ¼-
Choose from 10% (Table "A") or
"B") tolerances. Meet MIL-R-11D.
ıeat rapidly; full rating to 158°F.
working voltages: ¼-watt types,
½ watt types, 350 volts; 1-watt
volts; 2-watt types, 750 volts. 2 oz.

, TOLERANCE RESISTORS
BLE "A" BELOW FOR VALUES

	Wattage Rating	ASSORTED		
		1-4 EA.	5-49 EA.	50-Up EA.
C	¼†	.14	.12	.08
C	¼*	.13	.11	.07
C	½‡	.13	.11	.07
C	½	.12	.10	.06
C	1	.18	.15	.09
C	2	.24	.20	.15

from 2.7 ohms to 8.2 ohms only.
from 1 ohm to 2.2 ohms only.
from 10 ohms to 22 megs. only.

TABLE "A"
PECIFY VALUES DESIRED
% TOLERANCE RESISTORS

m	Ohm	Ohm	Ohm	Meg
2	470	10K	220K	4.7
7	560	12K	270K	5.6
3	680	15K	330K	6.8
9	820	18K	390K	8.2
7	1000	22K	470K	10.0
6	1200	27K	560K	12.0
8	1500	33K	680K	15.0
2	1800	39K	820K	18.0
0	2200	47K	1 meg	22.0
0	2700	56K	1.2 meg	
0	3300	68K	1.5 meg	
0	3900	82K	1.8 meg	
0	4700	100K	2.2 meg	
0	5600	120K	2.7 meg	
0	6800	150K	3.3 meg	
0	8200	180K	3.9 meg	

5% TOLERANCE RESISTORS
SEE TABLE "B" BELOW FOR VALUES

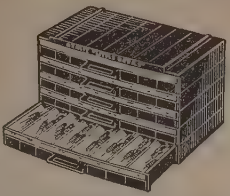
Stock No.	Wattage Rating	ASSORTED		
		1-4 EA.	5-49 EA.	50-Up EA.
26 U 455 C	¼*	.26	.22	.14
26 U 044 C	½†	.26	.22	.14
26 U 045 C	½	.24	.20	.12
26 U 065 C	1‡	.36	.30	.18
26 U 085 C	2§	.48	.40	.24

*In values from 10 ohms to 22 megs. only.
‡In values from 2.7 ohms to 22 megs. only.
†In values from 1 to 2.4 ohms only.
§In values from 10 ohms to 22 megs. only.

TABLE "B"
SPECIFY VALUES DESIRED
5% TOLERANCE RESISTORS

Ohm	Ohm	Ohm	Ohm	Ohm	Meg
1	18	330	5600	91K	1.5
1.1	20	360	6200	100K	1.6
1.2	22	390	6800	110K	1.8
1.3	24	430	7500	120K	2.0
1.5	27	470	8200	130K	2.2
1.6	30	510	9100	150K	2.4
1.8	33	560	10K	160K	2.7
2	36	620	11K	180K	3.0
2.2	39	680	12K	200K	3.3
2.4	43	750	13K	220K	3.6
2.7	47	820	15K	240K	3.9
3	51	910	16K	270K	4.3
3.3	56	1000	18K	300K	4.7
3.6	62	1100	20K	330K	5.1
3.9	68	1200	22K	360K	5.6
4.3	75	1300	24K	390K	6.2
4.7	82	1500	27K	430K	6.8
5.1	91	1600	30K	470K	7.5
5.6	100	1800	33K	510K	8.2
6.2	110	2000	36K	560K	9.1
6.8	120	2200	39K	620K	10.0
7.5	130	2400	43K	680K	11.0
8.2	150	2700	47K	750K	12.0
9.1	160	3000	51K	820K	13.0
10	180	3300	56K	910K	15.0
11	200	3600	62K	1.0 meg	16.0
12	220	3900	68K	1.1 meg	18.0
13	240	4300	75K	1.2 meg	20.0
15	270	4700	82K	1.3 meg	22.0
16	300	5100			

OHMITE "LITTLE DEVIL" RESISTOR ASSORTMENTS

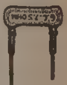


Plastic Storage Cabinet Included

Most-often-needed values (10 ohms to 10 megs). Ideal assortment for radio, hi-fi, and TV servicemen. Molded, insulated, composition resistors with tolerances of ±10%. Choose either ¼, ½, 1 or 2-watt assortments. Convenient storage cabinet of high-impact plastic, 4¾x9x5¼". Has five drawers, each with eight labeled compartments. Shpg. wt., 3 lbs.

Stock No.	Type	Resistors	EACH
26 U 760	CAB-4	150 ¼-watt	19.50
26 U 761	CAB 10	150 ½-watt	18.00
26 U 759	CAB-2	125 1-watt	22.50
26 U 762	CAB-3	125 2-watt	30.00

HAMILTON-HALL
TV FUSE RESISTORS

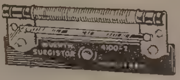


Reliable, low cost replacements for series-string TV tube circuits. Replace similar units used in Raytheon, RCA, Motorola, Sylvania, Zenith and other television receivers. All resistors are less than an inch in length—equipped with tinned leads. Avg. shpg. wt., 2 oz.

Stock No.	Type	Ohms	EACH
26 U 021	FR-4.7	4.7	.29
26 U 022	FR-5.6	5.6	
26 U 023	FR-7.5	7.5	
26 U 025	FR-22.0	22.0	

26 U 026. Type PL-99 Fuse Resistor Kit. Contains: 6—7.5; 1—4.7; 1—5.6; 1 9.0; and 1—22-ohm fuse resistors. Wt., 10 oz. 1.95

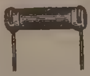
JERTH SURGISTORS



y designed to limit harmful
rent-surge to 25% of normal,
ull voltage after warm-up. Con-
tly into power line. For 110-120
C. Av. shpg. wt., 7 oz.

No.	Mfr's Type	Wattage	EACH
552	4100-2	100-275	1.17
553	8050-4	250-400	1.77

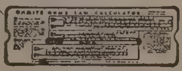
-C "GLO-BAR THERMISTORS"



nermal resistors used in series-string filament
RCA, Philco, General Electric, Motorola and
of other television sets. A necessary service
nt item. Av. shpg. wt., 2 oz.

o.	Type	Ohms		Replaces	EACH
		Hot	Cold		
6	25-912	20	250	GE RRW051	.88
7	25-914	75	950	GE RRW041	1.29
3	25-920	11	...	M'rola 6A7 35941	1.47
4	25-922	50	...	Philco 33-1343-3	.94
1	25-928	9	...	RCA 100118	.97

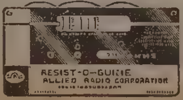
OHMITE OHM'S LAW CALCULATOR



e calculator. Solves problems
Ohm's Law and DC power factor.
wer, voltage and current when
is known. By setting to two
lues, resistance can be deter-
so has parallel resistance cal-
onvenient pocket size, 9x3". Shpg. wt., 3 oz.

. Varnished Cardboard. 25
. Deluxe Plastic Model 1.50

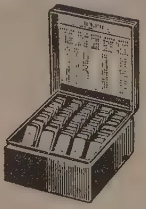
ALLIED COLOR-CODE GUIDE



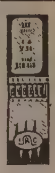
nt-reference" color-code guide
s. Convenient pocket-size, 2¾x
de includes tolerance code and
CIA-Mil-5 & 10% standard stock
llied's time-saving color-code
urs FREE with your order of
resistors. Shpg. wt., 2 oz.
. 10

IRC HANDY-PAK RESISTOR ASSORTMENTS

- Easy-to-Read Values
- Clear Plastic Pockets



A B



Single Handy-Pak

Designed to keep your resistor stocks within quick, easy reach—end "cigar box confusion," help you to remember when it's time to reorder. IRC Handy-Paks are all of uniform size for ½, 1 and 2, watts—one pack size for each resistor value. Complete resistor stocks are always visible. Value and wattage are clearly indicated on each convenient pack.

All Resistors are 10% Carbon-Composition Types.

"RESIST-O-CHESTS"

A Convenient inventory. All-metal resistor filing cabinet supplied complete with a wide assortment of resistors in "Handy-Paks." Ideal for the service shop. Has hinged lid and metal separators to keep Handy-Paks orderly—right at your fingertips. Inventory list in lid helps you keep stock up-to-date. Size, 6¼x5⅜x3⅜". Shpg. wt., 2¼ lbs. *Use Allied's Credit Fund Plan. Either Type Only $5 Monthly.*

Stock No.	Mfr's Type	No. of Resistors	No. of Values	Range Values	EACH
26 U 787	42	204 ½-w.	34	47Ω to 10 megs	24.48
26 U 788	43	462 ½-w.	77	10Ω to 22 megs	55.44

REPLACEMENT "HANDY-PAKS"

B For replacement in above assortments. Standard "Handy-Pak" package of either six ½-watt or four 1-watt resistors. 10% tolerances. **See Table "A" on page 258 for values available. Specify resistance value desired.** Av. shpg. wt., 6 oz.

Stock No.	Wattage Rating	Quantity Per Pkg.	PER PACKAGE	
			1 to 11, EA.	12 and Up, EA.
25 U 487C	½	6	.72	.54
25 U 488C	1	4	.72	.54

IRC Precision and Power Resistors

½-WATT 1% PRECISION RESISTORS
FOR CRITICAL CIRCUIT APPLICATIONS

- Excellent for Use in Low-Noise Circuits
- Recommended for Color-TV Circuits, Instrumentation
- Meet Military Specs • Low Voltage-Coefficient

Type DCC. Precision, unmolded, film-type carbon resistors for circuits requiring high voltage ratings and low noise levels as in instrumentation, advanced electronics, and color TV circuits. Values available indicated in Table "A" below. Have low voltage-coefficient, excellent frequency characteristics and small size. ½-watt rating. Meet stringent military specifications. Military type, **RN20X. MIL-10509.** Ratings, 40°C. **Specify resistance values wanted when ordering.** Av. shpg. wt., 3 oz.
25 U 493 C. Specify Value From Table "A"............. Each .54

TABLE "A"—MIL-OHM STOCK VALUES
SPECIFY RESISTANCE WANTED

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
10.0	68.1	422	1500	6040	19.6K	49.9K	200K
12.1	69.8	432	1620	6810	20K	51.1K	215K
15.0	75.0	475	1780	7500	20.5K	56.2K	221K
16.9	90.9	499	1820	8060	21.5K	60.4K	255K
20.0	97.6	523	2000	8250	22.1K	61.9K	267K
21.5	100	604	2210	8660	22.6K	68.1K	301K
22.1	110	681	2370	9090	23.7K	71.5K	332K
24.9	121	698	2550	10K	24.9K	80.6K	340K
26.1	124	750	2740	11K	25.5K	82.5K	464K
28.7	150	806	3010	12.1K	27.4K	90.9K	499K
30.1	182	825	3320	12.4K	28K	100K	562K
33.2	200	909	3400	13K	28.7K	121K	750K
34.8	215	1000	4020	14K	30.1K	130K	1.00 meg
42.2	221	1100	4220	14.7K	33.2K	147K	1.21 meg
46.4	249	1130	4640	15K	38.3K	150K	1.50 meg
47.5	301	1210	4750	16.2K	39.2K	162K	2.00 meg
49.9	316	1330	4990	16.5K	40.2K	178K	2.15 meg
51.1	332	1400	5110	16.9K	46.4K	182K	2.21 meg
56.2	392	1470	5620	18.2K	47.5K	196K	2.49 meg
61.9	402						

AXIAL-LEAD POWER RESISTORS

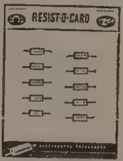
TYPE PW-5. IRC 5-watt wir
sistors with glass fiber core. S
insulated rectangular ceramic
leads. Tolerance, ±10%. Size
⅞x⅜". Shpg. wt., 2 oz. In values from 1 to 6000 ohms. **Sp**
ue. See table directly below.
25 U 175 C..

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Oh
1	5	20	75	150	350	700	1200	1750	2
2	7.5	25	100	200	400	750	1250	2000	3
3	10	30	120	250	500	800	1500	2250	4
4	15	50	125	300	600	1000			

Type PW-10. Similar to above, but 10 watt rating. Size less l
⅜". Shpg. wt., 2 oz. **Specify values when ordering.** See tab
below of values available.
25 U 190 C..

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Oh
1	5	15	30	75	200	500	1000	2000	5
2	7.5	20	40	100	250	600	1200	3000	6
3	10	25	50	150	300	750	1500	3500	1
4									

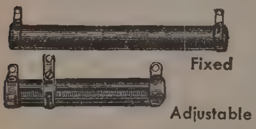
AXIAL-LEAD "RESIST-O-CARD" RESISTOR ASSORT



Type PW-5X10. IRC 5 watt resistors.
10, 20, 25, 50, 100, 500, 1000, 2000, 4
ohms. Shpg. wt., 4 oz.
25 U 176..

Type PW-5X20. 5-watt resistors. One e
7.5, 10, 15, 20, 25, 50, 100, 150, 500,
1250, 1500, 2000, 2500, 3000, 4000 and 5
Shpg. wt., 6 oz.
25 U 177..

Type 20-A. Includes twenty different
10-watt resistors. One each: 50, 75, 100,
750, 1000, 1500, 2000, 2500, 3000, 33
4000, 5000, 6000, 7500, 8200 ohms, 10K,
25 U 191. Shpg. wt., 9 oz..........................



WIREWOUND POWER RESISTORS

Highly-reliable, "Resisteg" coated power resistors. Tolerances: fixed, ±5%; adjustable, ±10%. All types of 25-watt rating or higher, supplied with mtg. brackets. All rated 100 watts or less have eyelets for screw mounting plus leads, except *leads and lugs; all others have eyelets and mounting brackets. *Specify resistance and wattage when ordering.* Av. shpg. wts., 5 to 50-watt types, 4 oz.; others, 1 lb.

FIXED POWER RESISTORS

SPECIFY VALUES WANTED

*TYPE 1A—5-8 WATT—1x5⁄16"

Stock No.	Ohms	EA.
25 U 250 C	1, 5, 7.5, 10, 20, 25, 30, 40, 50, 100, 250, 400, 500, 700, 1000	.52
25 U 251 C	3000, 5000	.55
25 U 252 C	6000, 10K	.58
25 U 253	20K only	.65
25 U 254	25K only	.68

*TYPE 1¾A—10 TO 12 WATTS—1¾x5⁄16"

25 U 270 C	1, 1.5, 4, 5, 7.5, 10, 12, 15, 20, 25, 30, 50, 75, 100, 150, 200, 250, 300, 400, 500, 600, 750, 1000	.57
25 U 271 C	1250, 1500, 2000, 2250, 2500, 3000, 3500, 4000, 5000	.61
25 U 272 C	6000, 7000, 10K	.70
25 U 273 C	15K, 17.5K, 18K, 20K	.79
25 U 274 C	22.5K, 25K, 30K	.83
25 U 269	50K only	.93

TYPE 2D—25 WATTS—2x9⁄16"

25 U 203 C	1, 2, 3, 4, 5, 10, 15, 25, 50, 75, 100, 150, 200, 250, 500, 750, 1000	.72
25 U 204	2000 only	.75
25 U 205	10K only	.85
25 U 206 C	15K, 20K	.90
25 U 207 C	25K, 35K	1.04
25 U 208 C	50K, 60K	1.21
25 U 210	100K only	1.64

TYPE 4D—50 WATTS—4x9⁄16"

25 U 290 C	1, 2, 3, 4, 5, 10, 25, 50, 250, 500, 1000	1.11
25 U 291	2500 only	1.14
25 U 332	200K only	2.89
25 U 333	250K only	3.24

FIXED POWER RESISTORS (Cont'd)

TYPE 10½H—200 TO 225 WATTS—10½x1⅛"

Stock No.	Ohms	EA.
25 U 441 C	1, 2, 3, 5, 10, 25, 50, 75, 100, 500, 1000	2.46
25 U 442 C	2000, 5000	2.53
25 U 443	10K only	2.71
25 U 446	50K only	3.08

ADJUSTABLE POWER RESISTORS

TYPE 1¾AA—10 TO 12 WATTS—1¾x5⁄16"

25 U 275 C	1, 3, 5, 7.5, 10, 20, 25, 50, 75, 100, 150, 200, 250, 400, 500, 600, 1000	1.14
25 U 276 C	4500, 5000	1.18
25 U 277 C	6000, 7000, 8000, 8500, 10K	1.27

TYPE 2DA—25 WATTS—2x9⁄16"

25 U 284 C	1, 2, 3, 5, 10, 20, 25, 50, 75, 100, 150, 200, 250, 300, 400, 500, 1000	1.29
25 U 285	2500 only	1.32
25 U 286 C	7500, 10K	1.42
25 U 287 C	15K, 20K	1.47
25 U 288	25K only	1.61

TYPE 4DA—50 WATTS—4x9⁄16"

25 U 294 C	1, 2, 3, 4, 5, 10, 25, 50, 250, 300, 400, 500	1.68
25 U 295	4000 only	1.71
25 U 296	10K only	1.80
25 U 297	20K only	1.92
25 U 298	25K only	2.11
25 U 299	50K only	2.29

TYPE 6½EA—100 WATTS—6½x¾"

25 U 312 C	1, 2, 3, 5, 10, 25, 50, 100, 500, 1000	2.11

10½ HA—200 TO 225 WATTS—10½x1⅛"

25 U 377 C	1, 2, 4, 10, 25, 50, 100, 250, 500, 1000	3.34
25 U 378 C	2500, 5000	3.41

EXTRA SLIDERS FOR ADJUSTABLE RESISTORS

25 U 370. For 1¾AA	.14
25 U 371. For 2DA, 4DA	.14
25 U 372. For 6½EA	.14
25 U 373. For 8½HA, 10½HA	.23

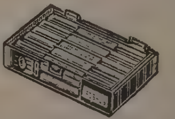
MULTI-RANGE 10-WA
WIREWOUND RESISTO

TYPE M

Versatile resisto
bining 4 separate
elements in a sin
pact unit. Elimi
need for large re
ventories. Each
is supplied comp
instructions for
ing element leads to provide up to 47
resistance values within the ranges
the table below. Resistance values ra
0.5 ohm through 50K. Tolerance,
Size, 1⅞x½". Shpg. wt., 3 oz. **2 per**

Stock No.	Type	Range
25 U 580	MR1	47 values from 0. through 15 ohm
25 U 581	MR2	47 values from 5 through 150 ohm
25 U 582	MR3	47 values from 50 through 1500 ohm
25 U 583	MR4	47 values from 50 through 15K
25 U 584	MR5	12 values from 3000 through 50K

TYPE
RESIST
ASSORTM



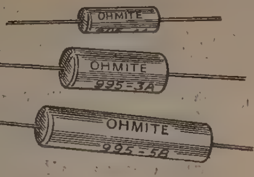
A complete
resistor kit co
of 10 Type M
ti-range resist
cludes 2 of eac
MR resistor listed in the table above.
recommended for schools and labs, expe
ers, Amateurs, hobbyists, etc. 200 diffe
sistance values can be obtained from t
multi-range units. Provides complete
coverage right at your fingertips—re
values range all the way from 0.5 ohms
Steatite housing provides excellent ins
Supplied in convenient plastic storag
1¼x5¼x3½". Resistor assortment eli
the need for large resistor inventories
wt., 1 lb.
25 U 585..

Make Allied your headquarters fo
electronic supplies. This catalog is
guide to the world's largest stoc
everything in electronics.

Ohmite and Sprague Wirewound Resistors

OHMITE RESISTORS

SERIES 99 VITREOUS ENAMEL RESISTORS



s 99 wire-
rs feature
us enamel
ng. Incor-
dvantages
vitreous
ors, plus:
mount in
for advan-
ink effect
o to 100%
e; uniform
kness pro-
C insula-
n rating:
rkings are fired right onto the coating—will not rub off
n with powerful active solvents used for degreasing and
All Series 99 resistors have consistent size and shape.
d jacket will not chip where leads enter the resistor body.
ninal leads and resistance wire are welded to metal end-
snugly over the core ends. Will withstand high humidity
in salt solution. All wattage ratings are based on a maxi-
temperature of 350°C at 25°C ambient. All have 1½"
or easy solder connections. Resistance tolerance, ±5%.
et **MIL-R-26C** specifications for **RW57, RW58, RW59,**
RW69. Av. shpg. wt., 2 oz.

1.5 WATTS

Stock No.	Mfr's Type	Values See Table "A"	EACH
26 U 088 C	995-1A	1 to 1000 ohms	.62
26 U 089 C	995-1A	1100 to 3000 ohms	.66

3¼ WATTS

Stock No.	Mfr's Type	Values See Table "A"	EACH
26 U 090 C	995-3A	1 to 1000 ohms	.59
26 U 091 C	995-3A	1000 to 5000 ohms	.62
26 U 092 C	995-3A	5100 to 10K	.66

5 WATTS

Stock No.	Mfr's Type	Values See Table "A"	EACH
26 U 115 C	995-5B	1 to 1000 ohms	.62
26 U 116 C	995-5B	1100 to 5000 ohms	.66
26 U 117 C	995-5B	5100 to 10K	.70
26 U 118 C	995-5B	11K to 20K	.78
26 U 119 C	995-5B	22K to 25K	.82

11 WATTS

Stock No.	Mfr's Type	Values See Table "A"	EACH
26 U 122 C	995-10A	1 to 1000 ohms	.68
26 U 123 C	995-10A	1100 to 5000 ohms	.73
26 U 124 C	995-10A	5100 ohms to 10K	.84
26 U 125 C	995-10A	11K to 20K	.95
26 U 126 C	995-10A	22K to 40K	1.00
26 U 127 C	995-10A	43K to 51K	1.12

TABLE "A"—VALUES FOR SERIES 99 RESISTORS

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
4.3	8.2	16	30	47	82	160	300	450	700	1200	2400	3900	5600	8200	14K	24K	39K
4.7	9.1	18	33	50	91	180	330	470	750	1300	2500	4000	6000	9000	15K	25K	40K
5.0	10	20	35	51	100	200	350	500	800	1400	2700	4300	6200	9100	16K	27K	43K
5.1	11	22	36	56	110	220	360	510	820	1500	3000	4500	6800	10K	17K	30K	45K
5.6	12	24	39	62	120	240	390	560	900	1600	3300	4700	7000	11K	18K	33K	47K
6.2	13	25	40	68	130	250	400	600	910	1800	3500	5000	7500	12K	20K	35K	50K
6.8	15	27	43	75	150	270	430	620	1000	2000	3600	5100	8000	13K	22K	36K	51K
7.5								680	1100	2200							

FAMOUS "BROWN DEVIL" WIREWOUND RESISTORS

Enamel Coating for Excellent
uction and Insulation

-Watt Power Ratings

OHMITE
BROWN DEVIL

uality, compact wirewound
for use in transmitters, bias
onic and industrial equipment, permanent replacement
and television receivers; in applications where resistance
aried. Thick vitreous enamel coating provides excellent
n and insulation, as well as protection against the harmful
dity and moisture. Have standard resistance tolerance of
-watt units, 1x5/16"; 12-watt units, 1¾x5/16"; 20-watt units,
s have tinned leads for easy soldering. Lead length, 1½".
oz. **"Brown Devil" resistors are available in values**
le "B" at right—be sure to specify values wanted
g.

ATT SIZE (SEE TABLE "B" FOR VALUES)

Available in all values to 10K

Ohms	EACH	Stock No.	Ohms	EACH
to 1000	.52	25 U 732 C	6000 to 10K	.58
100 to 5000	.55			

VATT SIZE (SEE TABLE "B" FOR VALUES)

Available in all values to 50K

to 1000	.57	25 U 703 C	12.5K to 20K	.79
100 to 5000	.61	25 U 704 C	25K and 30K	.83
000 to 10K	.70	25 U 705	50K only	.93

20-WATT SIZE (SEE TABLE "B" BELOW FOR VALUES)

Available in all values except those marked * in table "B" below.

Stock No.	Ohms	EACH	Stock No.	Ohms	EACH
25 U 720 C	1 to 1000	.68	25 U 724 C	25K and 30K	.99
25 U 721 C	1200 to 5000	.70	25 U 725 C	50K and 60K	1.15
25 U 722 C	6000 to 10K	.83	25 U 727	100K only	1.57
25 U 723 C	12.5K to 20K	.85			

TABLE "B" VALUES—SPECIFY VALUES WANTED

Ohms	Ohms	Ohms	Ohms	Ohms
1	35*	450*	1750	8000
1.5*	40*	500	2000	9000
2	50	600*	2250	10K
3	75	700	2500	12.5K
4	100	750	3000	15K
5	125*	800	3500	20K
7.5*	150	900	4000	25K
10	200	1000	4500	30K
12*	225*	1100*	5000	50K
15*	250	1200	6000	60K
20*	300	1250	7000	100K
25	350	1500	7500	
30*	400			

Allied Is Your Best Source for Resistors

SPRAGUE "KOOLOHM" WIREWOUND POWER RESISTORS

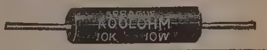
Completely Insulated Nonporous Ceramic Shells
Burn-in Test Stabilizes Resistance
Handle Hot-spot Temperatures Up to 340°C
Windings and Leads Welded to End-cap

sions of the famous "KT" and "NIT" wirewound series.
size than older units. Designed to withstand severe duty
ered in heavy-duty industrial electronic equipment. Feature
' test which stabilizes resistance value on full load. Wire
d and cemented to prevent turn-to-turn shorting. Ceramic
and outer shells provide a completely insulated surface
ntact as well as complete moistureproofing—an important
nding resistor life. Can be mounted in direct contact with
unded parts without danger of a short circuit. Windings
welded to end-cap for superior mechanical strength. Non-
c shells are sealed with high-temperature silicone cement.
5% tolerance. Handle hot-spot temperatures up to 340°C.
2 oz. **Be sure to specify values wanted.**

450E—3-WATT (STANDARD) 9/16x¼" dia.

	Ohms	EACH
C	1, 2, 3, 5, 10, 12, 15, 20, 25, 40, 50, 75, 100, 150, 200, 220, 250, 300, 400, 500, 600, 900, 1000	.35
C	1500, 2000, 2500, 3000	.43
C	6000 and 10K	.47

Nonporous Ceramic Outer Shell plus Rugged Internal Design Provide Excellent Insulation and Strength



TYPE 452E—5-WATT (STANDARD) 1x¼" dia.

Stock	Ohms	EACH
25 U 910 C	1, 2, 3, 5, 10, 12, 15, 20, 25, 40, 50, 75, 100, 150, 200, 220, 250, 300, 400, 500, 600 900, 1000	.37
25 U 911 C	1500, 2000, 2500, 3000, 5000	.41
25 U 917 C	6000, 10K	.44
25 U 921 C	12K, 15K, 20K	.57

TYPE 453E—5-WATT (NON-INDUCTIVE) 1x¼" dia.

25 U 925 C	1, 2, 3, 5, 10, 12, 15, 20, 25, 40, 50, 75, 100, 150, 200, 220, 250, 300, 400, 500, 600, 900, 1000	.54
25 U 926 C	1500, 2000, 2500, 3000	.61

Allied can supply the complete line of Sprague and Ohmite resistors. Write or phone if the resistor you require is not listed.

esistance and Wattage When Ordering Resistors

IRC and Dale Power and 1% Resistors and Con

DALE SERIES RH 1% POWER RESISTORS

Molded with phenolic, in die-cast gold anodized, radiator-finned aluminum housings that mount on chassis for maximum heat dissipation. Impervious to moisture and salt spray. Welded construction. Temp. coeff., 0.00002/°C. Meet **MIL-R-18546C, Specify values from Table "A" when ordering.**

TYPE RH-5—5-WATT .320x.334x.600

Stock No.	Values—See Table "A" Below	EACH
26 U 925 C	1 ohm to 1000 ohms	1.92
26 U 926 C	1400 to 5000	2.01
26 U 927 C	6000 to 10K	2.18
26 U 929	15K only	2.54
26 U 930	20K only	2.72

TYPE RH-10—10-WATT. MIL-TYPE RE65 .390x.420x.750

Stock No.	Value—See Table "A" Below	EACH
26 U 352 C	1 to 1000	1.82
26 U 353 C	1400 to 5000	1.91
26 U 354 C	6000 to 10K	2.08
26 U 356	15K	2.44
26 U 357 C	20K to 25K	2.62
26 U 358	30K only	2.90

SERIES HG-25 MINIATURE 35-WATT RESISTORS

Similar in appearance to Series RH. Precision wirewound resistors exceed requirements of **MIL-R-18546C (RE-70).** Provide more than double the MIL specifications power requirements, yet retain miniature size. Rated at 35 watts. Designed to operate under the most severe environmental conditions. Aluminum housing (radiator-finned). Screw-mount on chassis to ensure maximum heat dissipation. ±1% tolerance. Terminals are made of tinned copperweld. 35/64x35/64x1 1/16". Specify values from Table "A", below.

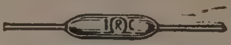
Stock No.	Values—See Table "A" Below	EACH
27 U 178 C	1 to 1000 ohms	3.37
27 U 179 C	1400 to 5000	3.53
27 U 180 C	6000 and 10K	3.85
27 U 182	15K only	4.51
27 U 183 C	20K and 25K	4.85

TABLE "A" STOCK VALUES

SPECIFY VALUES WANTED

Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm
1	4.5	15	50	100	220	470	900	2000	6000
1.5	5	20	60	125	225	500	1000	2500	10K
2	6	25	70	150	250	560	1400	3000	15K
2.5	7.5	30	75	175	300	600	1500	3500	20K
3	8	35	80	180	350	700	1750	4000	25K
4	10	40	85	200	400	750	1800	5000	30K

IRC TYPE CE T-O EVAPORATED METAL-FILM



CEA T-O, CEB T-O
Precision 1% evapor
film resistors with M-c
proofing. Noise is less t
with a voltage coefficient of less than 5 PPM/v. temperatu
of 0 ±100 PPM/°C from −55°C to +165°C. Power rati
ambient. Av. wt., 3 oz. **Specify values desired when or**
Table "B" below.

CEA T-O ⅛ WATT, MIL TYPE RN55B/D, 250 VO

Stock No.	Values—See Table "B" Below
25 U 016 C	10 to 499K

CEB T-O ¼ WATT MIL TYPE RN60B/D, 300 VO

25 U 013 C	10 to 1 meg

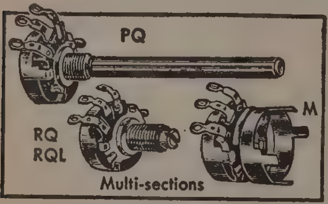
CEC T-O ½ WATT, 350 VOLTS

25 U 018 C	10 to 1.5 meg

TABLE "B"—MIL-OHM STOCK VALUES

SPECIFY RESISTANCE WANTED

Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm	Ohm
10.0	20.5	69.7	309	825	2260	4990	12.1K	33.2K
10.2	21.0	75.0	316	909	2320	5110	12.4K	34K
10.5	21.5	80.6	332	953	2370	5230	13K	35.7K
10.7	22.1	82.5	348	1000	2430	5490	13.3K	36.5K
11.0	22.6	90.9	365	1100	2490	5620	14K	38.3K
11.3	23.2	100	383	1150	2610	5760	14.3K	39.2K
11.5	23.7	102	392	1210	2670	5900	14.7K	40.2K
11.8	24.3	105	402	1240	2740	6040	15K	42.2K
12.1	24.9	113	422	1270	2800	6190	15.4K	43.2K
12.4	25.5	121	432	1300	2870	6340	16.2K	45.3K
12.7	26.1	130	453	1330	2940	6490	16.9K	46.4K
13.0	26.7	133	464	1400	3010	6810	17.8K	47.5K
13.3	27.4	143	475	1430	3090	6980	18.2K	48.7K
13.7	28.0	147	487	1470	3160	7150	19.6K	49.9K
14.0	28.7	150	499	1500	3240	7500	20K	51.1K
14.3	29.4	162	511	1540	3320	7680	20.5K	54.9K
14.7	30.1	178	549	1580	3400	7870	21.5K	56.2K
15.0	31.6	182	562	1620	3480	8060	22.1K	59K
15.4	33.2	196	576	1650	3570	8250	23.7K	60.4K
15.8	34.0	200	590	1690	3650	8450	24.3K	61.9K
16.2	34.8	215	604	1740	3740	8660	24.9K	64.9K
16.5	40.2	221	619	1780	3920	8870	25.5K	66.5K
16.9	46.4	243	634	1820	4020	9090	26.1K	68.1K
17.4	47.5	249	649	1910	4220	9530	26.7K	69.8K
17.8	49.9	255	665	1960	4320	9760	27.4K	71.5K
18.2	51.1	261	681	2000	4420	10K	28.7K	75K
18.7	56.2	267	698	2050	4530	10.2K	29.4K	80.6K
19.1	60.4	274	715	2100	4640	10.5K	30.1K	82.5K
19.6	61.9	294	750	2150	4750	10.7K	31.6K	90.9K
20.0	68.1	301	806	2210	4870	11K	32.4K	96.6K



TYPE 76 ATTACHABLE SWITCHES FOR PQ, RQ, RQL AND M CONTROLS

Easily attached to controls listed at right by bending down four metal tabs. Switch housings of arc-resistant material. Terminals hydraulically staked—no openings for solder to run into switch. Silver-plated alloy contacts.

Type 76-4 is make-one, break-one type for CRT spot killing. Type 76-1 handles up to 5 amps @ 125 v.; Type 76-2 is rated 1 amp @ 125 v. Shpg. wt., 2 oz.
30 U 359. Type 76-1. SPST...... **Each .60**
30 U 591. Type 76-2. DPST...... **Each .60**
30 U 888. Type 76-4. SPDT...... **Each .75**

EXPLANATION OF TAPERS

Taper A. Linear curve for uniform resistance change.

Taper C. Left-hand logarithmic taper for audio circuit control.

Allied carries a complete line of controls in stock for immediate delivery. Your Allied Catalog is your ready reference to the world's largest stock of electronic parts and equipment—available for off-the-shelf delivery.

IRC SERIES PQ, RQ, RQL AND M CONTROLS

These versatile controls have a smooth carbon base element and "two-finger" wiper arm of thin, high-stress alloy—assures good contact and low noise. Type M multi-sections can easily be added to PQ, RQ or RQL types; permit exact "tailoring" of dual, triple and quadruple units. Special-purpose controls can be made up by using a Type PQ, RQ or RQL with several M multisections and a Type 76 switch (listed at left). Types PQ, RQ and RQL have 3/8" threaded bushing. Body diameter less terminals is 15/16" maximum; body diameter including terminals is 1 5/16" maximum; depth behind panel, 33/64". Each Type M multisection adds 19/32" to the depth.

Type PQ, RQ, RQL and M sections
degree arc of rotation—with or wit
Power rating is ½ watt, 500 volt

PQ types have shaft 3" long, ¼" di
and RQL types have short shaft
driver slot; shaft extends ⅛" beyo
bushing. Types RQ and RQL are i
cept RQL has split bushing and lo
for permanent, vibration-proof sett
ance of all types is ±10%. Tinne

Ground plate on Types PQ, RQ ar
2 locating tabs that may be bent
the way, if not needed. Av. shpg
See **Explanation of Tapers** at lef

Mfr's Type	Ohms	Taper	Stock No. PQ	Stock No. RQ	Stock No. RQL
11-103	500	A	30 U 510	30 U 542	29 U 271
11-108	1000	A	30 U 511	30 U 543	29 U 272
11-110	2000	A	30 U 512	30 U 544	29 U 273
11-112	3000	A	30 U 513	30 U 545	....
11-114	5000	A	30 U 514	30 U 546	29 U 275
11-115	7500	A	30 U 515	....	....
11-116	10K	A	30 U 516	30 U 548	29 U 276
13-116	10K	C	30 U 517	....	....
11-119	20K	A	30 U 519	....	29 U 277
11-120	25K	A	30 U 520	....	29 U 278
11-121	30K	A	....	....	....
11-123	50K	A	30 U 523	30 U 555	29 U 280
13-123	50K	C	30 U 524	....	....
11-128	100K	A	30 U 526	30 U 558	29 U 282
13-128	100K	C	30 U 527	....	....
11-129	200K	A	....	....	29 U 283
11-130	250K	A	30 U 528	30 U 560	29 U 284
13-130	250K	C	30 U 529	....	....
11-133	500K	A	30 U 530	30 U 562	29 U 286
13-133	500K	C	30 U 531	30 U 563	29 U 287
11-137	1.0 meg	A	30 U 532	30 U 564	29 U 288
13-137	1.0 meg	C	30 U 533	....	29 U 289
11-139	2.0 meg	A	30 U 535	....	29 U 291
11-140	3.0 meg	A	30 U 538	30 U 570	....
13-140	3.0 meg	C	30 U 539	....	....
11-141	5.0 meg	A	30 U 540	....	....
11-143	10.0 meg	A	30 U 541	30 U 573	....

PQ and RQ Controls..
M Multisections..
RQL Controls..

IRC-CTS and Clarostat Controls; Bourns Pots

C-CTS WIREWOUND
-WATT CONTROLS

Rugged 4-watt controls. All have linear taper, except: Types with L after
left-hand logarithmic taper for TV
ght-hand for picture contrast. Rota-
1¼" dia., 23/32" deep; threaded bush-
ia., ⅜" long. Nickel-plated brass
dia. Type WP has round shaft, 3"
K 3" long "Knob Master" shaft;
¾" long shaft, knurled at end and
ecify Type and Ohms. 4 oz.

TYPE WPK CONTROLS

hms	Ohms	Ohms	Ohms	Ohms
00	400	750R	2000	5000
00	500	1000	2500	6000
50	750	1500	3000	10K
00	750L	......	......	......

C .... Each 1.32
25K ohms .... **Each 1.59**

0K	......	......	......	......

C .... Each 1.83

TYPE WPS CONTROLS

500	2000	4000	......	......
000	2500	5000	......	......

C .... Each 1.32

TYPE WP CONTROLS

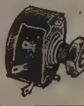
20	100	500	2000	4000
25	200	750	2500	5000
30	250	1000	3000	10K
50	400	1500	......	......

C .... Each 1.32

0K	25K	......	......	......

C .... Each 1.59
50K ohms .... **Each 1.83**

YPE WPRL CONTROLS



pe controls with
er slot shaft, ¼"
approximately ½"
nounting face. With
-type bushing and
ut. Linear taper.
ype and Ohms.
4 oz.

Ohms	Ohms	Ohms	Ohms
25	200	1000	5000
30	250	2000	7500
50	400	2500	10K
75	500	3000	......
100	750	4000	......

C .... Each 1.56

20K	25K	......	......

C .... Each 1.83

50K	......	......	......

C .... Each 2.04

ES FOR ABOVE CONTROLS

. **Type 76-11.** SPST, 2 oz. 75
. **Type 76-12.** DPST, 2 oz. 75

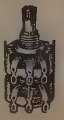
M MULTISECTION CONTROLS

onstructed 4-watt "add-on" control
an be attached to the WPK, WPS,
PRL controls, listed above, to form
rol units. Linear taper. **Specify**
and Ohms. 2 oz.

Ohms	Ohms	Ohms	Ohms
200	1000	2500	10K
500	2000	5000	......

C .... Each 1.32

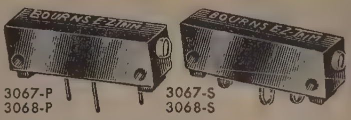
-3 TV SIGNAL ATTENUATOR



signal attenuator for sets
hm twin-line input. Min-
-station interference, def-
, and sound bars due to
signal strength. Dimin-
or hum due to high-signal
ntercarrier systems. Re-
loading in strong areas.
ects or reduces horizontal
jitters; also picture and
akover." With mtg. bracket. ⅞" dia.
" dia. shaft, 1" long. 3 oz.
......................................2.64

BOURNS E-Z TRIM® POTENTIOMETERS

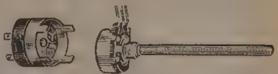
Types 3067 and 3068. Type 3067: ½-watt, 15-turn. Type 3068: 1/5-watt, 15-turn. Type 3068 has carbon-resistance element. Type 3067 has wirewound element. 15-turn adjustment and self-locking shafts for stable and precise electrical settings. Wipers idle at both ends of travel. *Printed circuit pin. †Solder lugs. Mounting centers, 53/64" ⅜x1x17/64". **Specify resistance values when ordering.** Av. shpg. wt., 2 oz.



Stock No.	Mfr's Type	Values Available (Ohms)—Specify Values	EACH
31 U 636 C	†3067-S	100, 200, 500, 1000, 2000, 5000, 10K, 20K	1.85
31 U 637 C	*3067-P	100, 200, 500, 1000, 2000, 5000, 10K, 20K	1.85
31 U 638 C	†3068-S	20K, 50K, 100K, 200K, 500K, 750K, 1 meg	1.85
31 U 639 C	*3068-P	20K, 50K, 100K, 200K, 500K, 750K, 1 meg	1.85

IRC-CTS Q CONTROLS WITH UNIVERSAL SHAFTS

Knurled, flatted and slotted. 3" universal shaft can be cut to desired length. 15/16" body dia. ⅜" bushing, ¼" long. Brass, tinned terminals for easy soldering. To gang, use M multisections on facing page. Less switches (below). Taper explanations below. 4 oz.



Stock No.	Mfr's Type	Ohms	Taper
30 U 395	Q11-201	250	A
30 U 300	Q11-103	500	A
30 U 377	Q11-105	750	A
30 U 301	Q11-108	1000	A
30 U 442	Q11-109	1500	A
30 U 302	Q11-110	2000	A
30 U 373	Q13-111	2500	C
30 U 303	Q11-112	3000	A
30 U 304	Q11-114	5000	A
30 U 383	Q13-114	5000	C
30 U 306	Q11-116	10K	A
30 U 307	Q13-116	10K	C
30 U 309	Q11-119	20K	A
30 U 311	Q11-120	25K	A
30 U 443	Q13-120	25K	C
30 U 314	Q11-123	50K	A
30 U 315	Q13-123	50K	C
30 U 317	Q11-128	100K	A
30 U 318	Q13-128	100K	C
30 U 374	Q11-129	200K	A
30 U 319	Q11-130	250K	A
30 U 320	Q13-130	250K	C
30 U 322	Q11-133	500K	A
30 U 323	Q13-133	500K	C
30 U 325	Q11-137	1 meg	A
30 U 326	Q13-137	1 meg	C
30 U 877	Q17-137	1 meg	Q
30 U 328	Q11-138	1.5 meg	A
30 U 329	Q11-139	2 meg	A
30 U 330	Q13-139	2 meg	C
30 U 331	Q11-239	2.5 meg	A
30 U 332	Q11-140	3 meg	A
30 U 334	Q11-141	5 meg	A
30 U 335	Q11-143	10 meg	A

EACH 1.02

TYPE 76 ATTACHABLE SWITCHES FOR Q CONTROLS

Blue bakelite enclosure. Easily attached. Type 76-4 is make-one, break-one for TV spot-killing. U.L. Listed. Shpg. wt., 2 oz.

30 U 359. **Type 76-1.** SPST .... .60
30 U 591. **Type 76-2.** DPST .... .60
30 U 888. **Type 76-4.** SPDT .... .75

EXPLANATION OF TAPERS

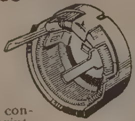
Taper A. Linear.

Taper C. Left-hand logarithmic taper for audio circuit control.

Taper P and Q. Semi-logarithmic curve with reverse taper. For use in contrast and picture control circuits in television.

CLAROSTAT CONTROLS

SERIES U39 2-WATT WIREWOUND "HUMDINGER" CONTROLS



- For Printed Circuit or Above-Chassis Mounting
- Screwdriver Adjustment
- With Mounting Plate

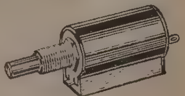
Versatile 2-watt wirewound controls for above-chassis or printed-circuit board mounting. All have linear taper. Resistance tolerance is ±20%. Have no shafts, slot is provided for screwdriver adjustment. ¾" diameter; 1¼" long; 1" mtg. centers. With insulated mounting plate.

RESISTANCES AVAILABLE—SPECIFY WHEN ORDERING

Ohms	Ohms	Ohms	Ohms	Ohms
5	100	300	700	2000
8	125	500	800	3000
50	150	600	1000	4000
75	200	650	1500	5000

Stock No.	Mfr's Type	Ohms (See Table Above)	EACH
31 U 970 C	U39	5 to 5000	.60

TYPE 62JA 10-TURN MINIATURE POTENTIOMETERS



- 2 Watts Power, ⅞" Diameter
- 1000 VRMS Dielectric Strength
- Collector Rail of Gold-Plated Alloy
- Tough, Thermal Plastic Case and Drum

Accurate 10-turn pots with resistance tolerance of ±5%. High power rating in a miniature size—2 watts @ 25°C. Have dielectric strength of 1000 volts RMS with absolute linearity of ±0.25%; except 100, 200 and 250 ohms, ±0.5%. Overall length, 2 11/16", with ⅜" mtg. bushing ⅜-32 threaded. Shafts are ¼" dia. x 9/16" long.

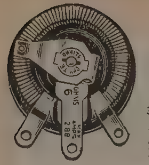
Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
100	250	1000	5000	20K	50K
200	500	2000	10K	30K	100K

Stock No.	Mfr's Type	Ohms (See Table Above)	EACH
31 U 102 C	62JA	100-100K	7.50

Your Allied Catalog is your ready reference to the world's largest stock of controls and other components . . . available off-the-shelf. Keep your Catalog handy and use it to get the widest selection of electronic components. You can depend on Allied for prompt service on your order.

Ohmite and Mallory Controls

OHMITE WIREWOUND RHEOSTATS



Smooth, dependable controls with solid ceramic cores. Each turn, core and base is bonded by porcelain vitreous enamel. Shunt pigtail carries current to slip-ring. Ceramic hub insulates shaft and bushing. Have copper-graphite contact brushes, except *silver-graphite. Tempered-steel contact arm construction, 300° rotation. Ratings are at full setting. Both types mount on panels up to ¼" thick with ⅜"-32 bushing and hex nut; Non-turn lug takes 3/16" hole, ½" below center of shaft. Control has shaft diameter of ¼". Specifications: Type H—diameter, 1 9/16", depth required behind panel, 1⅜"; Type J—diameter, 2 5/16", depth behind panel, 1⅜". All are less knobs and dial plates (see listing below). Av. shpg. wt., 10 oz.

25 WATT—TYPE H

Stock No.	Mfr's Type	Res. Ohms	EACH	Stock No.	Mfr's Type	Res. Ohms	EACH
31 U 223	0140*	1	4.63	31 U 237	0152	125	4.11
31 U 224	0141	2		31 U 238	0153	175	
31 U 225	0142	3		31 U 239	0154	250	
31 U 226	0143	6	4.63	31 U 240	0155	350	4.11
31 U 227	0144	8		31 U 241	0156	500	
31 U 228	0145	10		31 U 242	0157	750	
31 U 229	0146	15	4.11	31 U 244	0158	1000	4.63
31 U 230	0147	25		31 U 245	0159	1500	
31 U 231	0148	35		31 U 246	0160	2500	
31 U 232	0149	50	4.11	31 U 247	0161	3500	4.90
31 U 234	0150	75		31 U 248	0162	5000	
31 U 236	0151	100					

50 WATT—TYPE J

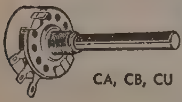
Stock No.	Mfr's Type	Res. Ohms	EACH	Stock No.	Mfr's Type	Res. Ohms	EACH
31 U 249	0308*	0.5	5.15	31 U 262	0321	150	4.63
31 U 250	0309*	1		31 U 263	0322	225	4.63
31 U 251	0310*	2		31 U 264	0323	300	4.63
31 U 252	0311	4		31 U 265	0324	500	4.63
31 U 253	0312	6		31 U 266	0325	800	4.90
31 U 254	0313	8	4.63	31 U 267	0326	1000	4.90
31 U 255	0314	12		31 U 268	0327	1600	4.90
31 U 256	0315	16		31 U 269	0328	2500	4.90
31 U 257	0316	22		31 U 270	0329	3500	5.15
31 U 258	0317	35	4.63	31 U 271	0330	5000	5.15
31 U 259	0318	50		31 U 272	0331	8000	
31 U 260	0319	80		31 U 273	0332	10K	
31 U 261	0320	125					

KNOBS AND DIAL PLATE FOR RHEOSTATS

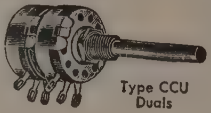
Type 5150. Black bakelite knobs for above Types H and J Ohmite rheostats. Fluted design matches most equipment. Wt., 5 oz.
31 U 944..............................**.29**

Type 5000. Matching dial plate for Types H and J rheostats and knobs, above. 2 3/16" diameter. 0-100 scale. 2 oz.
31 U 945..............................**.29**

OHMITE "AB" TWO-WATT POTENTIOMETERS


CA, CB, CU

CLU


Type CCU Duals

Sealed element, carbon slider for noise-free operation. ⅜" hole mtg. to ¼" panels. ¼" shaft, 2" long except CLU locking slotted shaft. Linear taper except * clockwise log, † counter-clockwise log. ±10% except ‡ ±20%. Wt., 5 oz.

TYPES CA, CB, CU (Size: 1 5/32" dia. x ⅝")

Stock No.	Type	Ohms	EACH	Stock No.	Type	Ohms	EACH
28 U 500	CU5001	50	1.95	28 U 512	CB5031†	50K	2.25
28 U 501	CU1011	100		28 U 604	CU7531	75K	1.95
28 U 596	CU1511	150		28 U 513	CU1041	100K	1.95
28 U 502	CU2511	250		28 U 514	CA1041*	100K	2.25
28 U 597	CU3511	350		28 U 605	CU1541	150K	1.95
28 U 503	CU5011	500	1.95	28 U 515	CU2541	250K	1.95
28 U 598	CU7511	750		28 U 516	CA2541*	250K	2.25
28 U 504	CU1021	1000		28 U 606	CU3541	350K	1.95
28 U 599	CU1521	1500		28 U 517	CU5041	500K	1.95
28 U 505	CU2521	2500		28 U 518	CA5041*	500K	2.25
28 U 600	CU3521	3500	1.95	28 U 607	CU7542	750K‡	1.95
28 U 506	CU5021	5000	1.95	28 U 519	CU1052	1 meg‡	1.95
28 U 601	CU7521	7500	1.95	28 U 520	CA1052*	1 meg‡	2.25
28 U 507	CU1031	10K	1.95	28 U 608	CU1552	1.5 meg‡	1.95
28 U 508	CB1031†	10K	2.25	28 U 548	CU2052	2.0 meg‡	1.95
28 U 602	CU1531	15K	1.95	28 U 521	CU2552	2.5 meg‡	1.95
28 U 509	CU2531	25K	1.95	28 U 522	CA2552*	2.5 meg‡	2.25
28 U 510	CB2531†	25K	2.25	28 U 609	CU3552	3.5 meg‡	1.95
28 U 603	CU3531	35K	1.95	28 U 523	CU5052	5.0 meg‡	1.95
28 U 511	CU5031	50K	1.95				

TYPE CLU—WITH LOCKING SHAFT (Size: 1 5/32" dia. x ⅝")

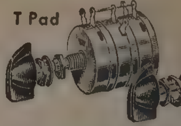
Stock No.	Type	Ohms	EACH	Stock No.	Type	Ohms	EACH
28 U 525	CLU5001	50	2.55	28 U 534	CLU5031	50K	2.55
28 U 526	CLU1011	100		28 U 535	CLU1041	.1 meg	
28 U 527	CLU2511	250		28 U 536	CLU2541	.25 meg	
28 U 528	CLU5011	500		27 U 537	CLU5041	.5 meg	
28 U 529	CLU1021	1000	2.55	28 U 538	CLU1052	1.0 meg‡	2.55
28 U 530	CLU2521	2500		28 U 549	CLU2052	2.0 meg‡	
28 U 531	CLU5021	5000		28 U 539	CLU2552	2.5 meg‡	
28 U 532	CLU1031	10K		28 U 540	CLU5052	5.0 meg‡	
28 U 533	CLU2531	25K					

TYPE CCU DUALS (Size: 1 5/32" dia. x 1 17/64")

Stock No.	Type	Ohms	EACH	Stock No.	Type	Ohms	EACH
28 U 541	CCU1031	10K	5.85	28 U 545	CCU2541	250K	5.85
28 U 542	CCU2531	25K		28 U 546	CCU5041	500K	
28 U 543	CCU5031	50K		28 U 547	CCU1052	1 meg‡	
28 U 544	CCU1041	100K					

28 U 524. CS-1 SPST Switch. For AB pots, except CCU types. 3 oz......................**.66**

MALLORY CON



SPEAKER CONT

Constant-load attenuator pa
to control the level of low-i
circuits in sound systems. R
continuous DC; 15 w. peak
shafts. Bushing size: ⅜x⅜" di
with bar knob, 0-10 dial plat
structions. Av. shpg. wt., 7 oz

T-Pad Attenuators. Present
impedance as well as constan
trol settings. Size: 1⅝" dia. 1

Stock No.	Type	Oh
29 U ■69	T4	
29 U 871	T8	
29 U 872	T15	
29 U 873	T50	
29 U 876	T500	5
29 U 866	T600	6
29 U 877	T2000	20

L-Pad Attenuators. Present
impedance at all control set
diameter, 1⅛" deep.

Stock No.	Type	Oh
29 U 884	L4	
29 U 892	L8	
29 U 886	L15	
29 U 887	L50	
29 U 890	L500	5
29 U 921	L600	6
29 U 891	L2000	20
29 U 708	L4000	40

STERE
AND M
L, T-PAD

Const
attenu
wide v
applica
have
and ar
plete v
plate
wiring
Shpg.
"LL,"
"LA" and "MRL," 4 oz.; Serie

Type "LL" Pads. Rated 4 w
DC; 15 watts peak. For maste
level, low-impedance audio cir
two "L" pads mounted in tand
by a common shaft to permit ad
channels with one control. Des
balance or master volume co
systems. Ideal separate level co
stereo speakers. 1⅝x2 5/16".

Type "LA" L Pads. Rated 4
peak. For level control in mo
ment. Maintain constant imp
control and amplifier. ¾x⅞".

Type "MRL" L Pads. Rat
watts peak. For monophonic

Type "MRT" T Pads. Rat
watts peak. Maintains equal in
impedances. ¾x1 5/16".

SERIES "LL" AND "LA"

Stock No.	Mfr's Type	In Oh
29 U 097	LL-8	
29 U 098	LL-16	1
29 U 071	L8-A	
29 U 072	L16-A	1

SERIES "MRL" L P

29 U 112	MRL-8	
29 U 113	MRL-16	1
29 U 114	MRL-50	5

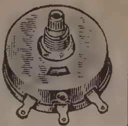
SERIES "MRT" T P

29 U 116	MRT-8	
29 U 117	MRT-16	1
29 U 118	MRT-50	5

Allied Carries a Complete Lin
in Stock for Immediate D

Mallory Potentiometers, Rheostats and Switches

SERIES "M" WIREWOUND CONTROLS



cements for positioning, hold, focus and other
controls. Also for industrial and laboratory use
controls and voltage dividers. 4 watts. Arm in-
from shaft. 294° rotation. Knurled ¼" dia.
shaft, ⅜" long; has screwdriver slot. Hollow
accept extension-type shafts. Body, 1⅝" dia.
Mount in ⅜" hole. Linear taper. Pots have 3
als; rheostats, 2. Wt., 4 oz.

POTENTIOMETERS

No.	Type	Ohms	EA.	Stock No.	Type	Ohms	EA.
424	M1PK	1	1.35	29 U 412	M600PK	600	1.35
425	M3PK	3		29 U 413	M1MPK	1000	
426	M6PK	6		29 U 431	M1.5MPK	1500	
427	M10PK	10		29 U 414	M2MPK	2000	
400	M15PK	15		29 U 432	M2 5MPK	2500	
401	M20PK	20	1.35	29 U 415	M3MPK	3000	1.35
402	M25PK	25		29 U 417	M5MPK	5000	1.35
403	M30PK	30		29 U 418	M10MPK	10K	1.35
404	M40PK	40		29 U 419	M15MPK	15K	1.47
405	M50PK	50		29 U 420	M20MPK	20K	1.47
406	M60PK	60	1.35	29 U 421	M25MPK	25K	1.47
408	M100PK	100		29 U 422	M50MPK	50K	1.74
409	M200PK	200		29 U 423	M70MPK	70K	1.74
10	M400PK	400		29 U 434	M100MPK	100K	2.46
11	M500PK	500		......	......	......	......

RHEOSTATS

pen or off position counter-clockwise.

No.	Type	Ohms	Amps	Stock No.	Type	Ohms	Amps
56	M6RK	6	.82	29 U 463	M50RK	50	.28
57	M10RK	10	.63	29 U 466	M100RK	100	.20
61	M30RK	30	.37	......	......	......	......

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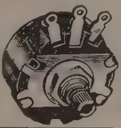
51. **Type 395 Dial Plate.** For "M" Controls. 2 oz.......... .21

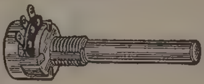
3-WATT TV CONTROLS



watt wirewound potentiometers designed espe-
or replacement of television controls. Also excel-
use as voltage dividers and bias controls. In-
contact arm type, linear taper. Special dual
or mechanism. 900 volts AC insulation between
ce element and chassis. 297° rotation. Size,
diameter. Knurled stub shaft has screwdriver
" bushing. Shpg. wt., 4 oz.

No.	Type	Ohms	EACH	Stock No.	Type	Ohms	EACH
35	R20L	20	.93	29 U 843	R1500L	1500	.93
37	R25L	25		29 U 844	R2500L	2500	
40	R50L	50		29 U 846	R3000L	3000	
64	R100L	100		29 U 845	R5000L	5000	
41	R250L	250	.93	29 U 692	R7500L	7500	1.08
34	R500L	500		29 U 693	R10ML	10K	
42	R1000L	1000		29 U 695	R20ML	20K	

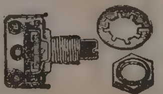
TYPE VW WIREWOUND 5-WATT CONTROLS



ure 5-watt potentiometers. Very
ze for this wattage rating; ideal
ted space applications. Case size
" in diameter by ⅞" in depth.
: ⅜x⅜" diameter and length.
plain round shaft, 2½" long from
g surface. Linear taper. Toler-
5%. 305° mechanical rotation;
ctrical rotation. High-quality construction throughout for de-
e operation and stability. Av. shpg. wt., 4 oz.

o.	Type	Ohms	EA.	Stock No.	Type	Ohms	EA.
37	VW-1	1	1.38	28 U 104	VW-250	250	1.38
38	VW-2	2		28 U 105	VW-300	300	
39	VW-3	3		28 U 106	VW-400	400	
90	VW-5	5		28 U 107	VW-500	500	
92	VW-8	8		28 U 110	VW-1K	1000	
93	VW-10	10	1.38	28 U 111	VW-1P5K	1500	1.44
94	VW-15	15		28 U 112	VW-2K	2000	
95	VW-20	20		28 U 113	VW-2P5K	2500	
96	VW-25	25		28 U 114	VW-3K	3000	
97	VW-30	30		28 U 115	VW-4K	4000	
98	VW-40	40	1.38	28 U 116	VW-5K	5000	1.44
99	VW-50	50		28 U 118	VW-10K	10K	1.50
00	VW-60	60		28 U 119	VW-15K	15K	1.56
02	VW-100	100		28 U 120	VW-20K	20K	1.56
03	VW-200	200		28 U 121	VW-25K	25K	1.65

ATED-SHAFT MIDGETROLS FOR TV



J. Size and construction same as Midget-
ve, but have ¼" dia. fixed knurled and
phenolic shaft protruding ¼" beyond
. Linear taper. With hex nut. Wt. 3 oz.

No.	Type	Ohms	Stock No.	Type	Ohms
546	SU-6	1.5K	29 U 813	SU-41	100K
547	SU-8	3K	29 U 828	SU-46	250K
332	SU-14	5K	29 U 814	SU-50	500K
326	SU-20	10K	29 U 829	SU-54	1 Meg
312	SU-29	25K	29 U 815	SU-67	5 Meg
327	SU-35	50K	......	......	......

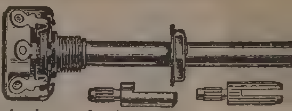
....93

WITCHES AND ACCESSORIES FOR MIDGETROLS

n, stay-on" switches for Midgetrols. Shpg. wt. 2 oz.

20. **US-26 SPST Switch** .... .42
22. **US-27 DPST Switch** .... .51
23. **US-28 SPDT Switch** .... .51

SERIES U MIDGETROL CONTROLS



For audio, tone and similar control circuits in home receivers, audio amplifiers, portables, TV sets and industrial electronic equipment. Available in a full line of resistances, tapers, and taps. Round, hollow shaft—easily cut to desired length. Two spline-shank knob adapters furnished with each Midgetrol—see illustration above. With nut and lock washer. 15/16" dia. brass shaft, 2⅛" long, ¼" dia. Less switch (see below, left). Shpg. wt., 3 oz.

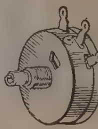
Stock No.	Type	Ohms	Taper*	Stock No.	Type	Ohms	Taper*
29 U 714	U 1	100	4	29 U 763	U 35	50K	4
29 U 709	U-2	500	4	29 U 765	U-39	100K	1
29 U 785	U-4	1K	4	29 U 767	U-41	100K	4
29 U 787	U-8	3K	4	29 U 768	U-42	150K	1
29 U 751	U-12	5K	1	29 U 770	U-44	250K	1
29 U 752	U-14	5K	4	29 U 772	U 46	250K	4
29 U 753	U-18	10K	1	29 U 773	U-48	500K	1
29 U 755	U-20	10K	4	29 U 774	U-50	500K	4
29 U 756	U-21	15K	1	29 U 776	U 53	1 Meg	1
29 U 783	U-26	20K	4	29 U 777	U-54	1 Meg	4
29 U 712	U-28A	25K	1	29 U 781	U-56	2 Meg	4
29 U 760	U-29	25K	4	29 U 789	U-82	10 Meg	4
29 U 761	U-33	50K	1	......	......	......	......

EACH..1.02

EXPLANATION OF TAPERS*

Taper No. 1: Nonlinear. For audio or antenna shunt circuits.
Taper No. 4: Linear. For voltage control.

NEW TYPE MG WIREWOUND CONTROLS



MG potentiometers occupy a minimum space of 1.1 cu. in. and are only 9/16" from panel mounting to rear of control. Cases are totally enclosed for maximum protection. Rated at 12½ watts DC. T and L-pads rated at 50 watts audio. All are glass-insulated for continuous full-rated output (ambient temp. not to exceed 35° C). Mechanical rotation: 294°. Electrical rotation: 275°. Voltage breakdown: 900 v. rms. Shaft length: MG, ¾"; MGL and MGT, 1½". Body size: MG, 9/16"; MGL, 1⅛"; MGT, 1 11/16". MGL and MGT with knob, dial plate. Resistance Values listed in Table "A," below. Av. shpg. wt., 4 oz.

TABLE "A" VALUES AVAILABLE FROM STOCK

STANDARD RESISTANCE VALUES—SPECIFY VALUES WANTED

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
1	10	25	100	400	1000	2500	5000	20K	100K
3	15	30	200	500	1500	3000	10K	25K	......
6	20	50	300	600	2000	4000	15K	50K	......

TYPE MG CONTROLS

Stock No.	Resistance—Specify Values—See Table "A"	EACH
29 U 720 C	1 to 600 ohms	2.18
29 U 721 C	1000 to 5000 ohms	2.22
29 U 722 C	10K to 25K	2.32
29 U 723	50K only	2.50
29 U 724	100K only	2.72

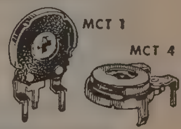
TYPE MGL—L PADS

Stock No.	Type	Ohms	EACH	Stock No.	Type	Ohms	EACH
29 U 734	MGL4	4	4.26	29 U 736	MGL16	16	4.26
29 U 735	MGL8	8	4.26	29 U 737	MGL50	50	4.26

TYPE MGT—T PADS

29 U 738	MGT4	4	6.48	29 U 740	MGT16	16	6.48
29 U 739	MGT8	8	6.48	29 U 741	MGT50	50	6.48

NEW MTC MINIATURE TRIMMER CONTROLS



Subminiature potentiometers only ½" in diameter. Designed especially for printed circuitry. Also meets need for low wattage, carbon-type variable resistance source. Screwdriver slot adjustable. Rated at ¼ watt. Linear taper. Uses include bias controls where initial setting is usually permanent except for servicing. 270° rotation, 180° with fixed end resistance. Shpg. wt., 1 oz.

29 U 673 C. Type MTC1 for Vertical PC Mounting. Terminals are arranged for stand-up mounting on PC circuitry. Available in resistance values listed in table, below. *Specify values from Table "B."*... **Each .39**

29 U 674 C. Type MTC-4 for Horizontal PC Mounting. Terminals arranged so that control can be mounted flat. Resistance values listed in table, below. *Specify values from Table "B."*.............. **Each .39**

TABLE "B"—VALUES AVAILABLE FROM STOCK

STANDARD RESISTANCE VALUES—SPECIFY VALUES WANTED

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Megs
100	300	1000	3000	6800	20K	100K	250K	500K	1
200	500	1500	5000	10K	25K	120K	325K	......	2
250	750	2000	6000	15K	50K	180K	450K	......	3.5

SPRAGUE
THE MARK OF RELIABILITY

Twist-Lok and Miniature Electrolyti

TVL "TWIST-LOK" AND PCL "PRINT-LOK" MIDGET CAN CAPAC

"Twist-Lok" hermetically sealed aluminum can capacitors. All rated +85°C. Up to 150 WVDC, tolerance is −10%, +100%; above 150 WVDC, −10%, +50%. Can is common negative. Terminals welded to cathode. *PCL "Print-Lok" typ printed circuit mountings or std. twist-base mounts. W phenolic and metal mounting washers.

Code	Dia. x L	Code	Dia. x L	Code	Dia. x L	Code	Dia. x L	Code	Dia. x L	Code
A	¾x2"	C	1x2½"	E	1x3½"	G	1⅜x2½"	J	1⅜x3½"	L
B	1x2"	D	1x3"	F	1⅜x2"	H	1⅜x3"	K	1⅜x4"	

SINGLE SECTION Av. shpg. wt., 1 lb.

Stock No.	Cap. Mfd	WV DC	TVL-*PCL Type	TVL-*PCL Size	EACH
19U 620	225	15	1160	A	1.05
19U 364	1000	15	1165	L	1.53
19U 365	2000	15	1168	F	2.07
19U 366	3000	15	1170	F	2.55
19U 603	4000	15	1173	J	2.25
19U 362	500	25	1220	L	1.53
19U 363	1000	25	1230	F	2.13
19U 357	100	50	1317	A	.99
19U 604	250	50	1324	C	1.20
19U 358	500	50	1330	F	1.59
19U 359	1000	50	1338	G	2.25
19U 360	1500	50	1341	H	2.64
19U 346	100	150	1423	C	1.20
19U 606	120	150	1426	G	1.29
19U 609	140	150	*1428	C	1.29
19U 348	140	150	1428	C	1.29

Stock No.	Cap. Mfd	WV DC	TVL-*PCL Type	TVL-*PCL Size	EACH
19U 349	150	150	1429	D	1.29
19U 350	150	150	1430	H	1.29
19U 351	200	150	1431	F	1.47
19U 352	300	150	1434	F	1.68
19U 343	160	200	1473	H	1.89
19U 610	160	200	*1473	F	1.89
19U 339	40	250	1519	B	1.08
19U 340	100	250	1535	D	1.62
19U 341	150	250	1540	G	1.86
19U 342	200	250	1547	J	2.19
19U 336	150	300	1584	J	2.10
19U 337	250	300	1590	K	3.33
19U 611	30	350	1617	B	1.14
19U 329	40	350	1621	B	1.20
19U 332	125	350	1638	J	2.37
19U 333	150	350	1642	G	2.37

Stock No.	Cap. Mfd	WV DC	TVL-*P Type
19U 314	10	450	1705
19U 316	20	450	1714
19U 317	30	450	1720
19U 324	40	450	1725
19U 325	50	450	1728
19U 622	60	450	1730
19U 326	80	450	1735
19U 327	100	450	1750
19U 328	125	450	1760
19U 613	40	475	1820
19U 308	20	500	1943
19U 309	30	500	1947
19U 310	40	500	1950
19U 311	80	500	1958
19U 312	90	500	1960

DUAL SECTION Av. shpg. wt., 1½ lbs.

Stock No.	Cap. Mfd	WV DC	TVL-*PCL Type	TVL-*PCL Size	EACH
19U 120	1000-1000	15	2160	E	2.64
19U 626	1000-1000	15	2161	G	2.64
19U 117	100-100	50	2326	L	1.26
19U 102	40-40	150	2428	L	1.14
19U 104	50-30	150	*2432	B	1.20
19U 105	50-50	150	2435	L	1.29
19U 107	80-40	150	2442	G	1.38
19U 108	80-50	150	2442.1	C	1.44
19U 114	200-5	150	2444	F	1.62
19U 632	200-5	150	*2444	G	1.62
19U 623	200-150	150	2446	K	2.25
19U 115	200-200	150	2447	G	2.40
19U 634	100-100	200	2464	H	2.10
19U 405	200-5	200	2470	F	1.83
19U 402	20-20	250	2515	L	1.14

Stock No.	Cap. Mfd	WV DC	TVL-*PCL Type	TVL-*PCL Size	EACH
19U 403	40-40	250	2520	B	1.50
19U 404	150-150	250	2535	K	3.09
19U 636	200-200	250	2538	K	3.63
19U 395	15-15	350	2625	B	1.35
19U 396	20-20	350	2626	B	1.38
19U 397	30-30	350	2628	C	1.74
19U 639	100-60	350	2639	J	2.88
19U 398	100-100	350	2641	H	3.69
19U 640	100-30	400-50	2655	H	2.34
19U 641	80-80	400-200	2656	J	2.37
19U 394	80-60	400	2677	H	2.82
19U 642	120-40	400	2679	K	3.15
19U 376	10-10	450	2750	B	1.14
19U 379	20-20	450	2755	C	1.53

Stock No.	Cap. Mfd	WV DC	TVL-*P Type
19U 381	30-30	450	2759
19U 382	40-20	450	2762
19U 383	40-40	450	2764
19U 384	50-50	450	2767
19U 386	60-60	450	2772
19U 387	80-10	450	2776
19U 389	80-40	450	2778
19U 390	100-40	450	2780
19U 643	20-100	475-400	2813
19U 368	10-10	500	2933
19U 369	20-20	500	2935
19U 370	30-30	500	2937
19U 371	40-40	500	2940
19U 372	60-40	500	2944

TRIPLE SECTION Av. shpg. wt., 1½ lbs.

Stock No.	Cap. Mfd	WV DC	TVL-*PCL Type	TVL-*PCL Size	EACH
19U 624	40-40-250	150-150-25	3426.4	D	1.89
19U 625	80-4-200	150-150-25	3432	C	1.68
19U 186	40-20-20	150	3437	L	1.44
19U 187	40-30-20	150	3438	B	1.50
19U 188	40-40-40	150	3440	B	1.59
19U 190	50-50-50	150	3442	D	1.80
19U 191	60-40-20	150	3443	D	1.65
19U 194	200-100-60	150	3450	J	2.73
19U 627	250-200-10	150	3453	K	2.85
19U 184	60-200-140	200-150-150	3461.4	K	2.88
19U 644	60-5-20	200-200-50	3467	C	1.50
19U 700	20-20-20	250	3532	B	1.56
19U 177	100-60-20	300-250-250	3562	H	2.94
19U 614	140-100-60	300-300-50	3574.7	J	3.63
19U 803	140-100-20	300	3585.5	K	3.72

Stock No.	Cap. Mfd	WV DC	TVL-*PCL Type	TVL-*PCL Size	EACH
19U 176	150-100-30	300	*3586	K	3.81
19U 615	60-200-30	350-150-150	3608.6	H	3.00
19U 811	125-5-100	350-200-75	3610	G	3.18
19U 812	30-20-20	350-350-25	3636	B	1.80
19U 818	30-20-100	350-350-150	3638.7	G	2.40
19U 616	60-50-50	350	3641	G	2.94
19U 820	80-60-60	350	3642	K	3.33
19U 618	80-40-150	400-400-50	3684	K	3.15
19U 822	100-10-20	400-400-50	3685	J	2.70
19U 163	100-10-80	400-400-350	3689.3	K	3.66
19U 823	10-100-200	450-200-25	3708.2	E	2.16
19U 619	10-40-10	450-300-150	3713.7	F	1.86
19U 158	10-10-20	450-450-25	3731	B	1.44
19U 160	20-20-20	450-450-25	3739	D	1.83
19U 161	40-40-20	450-450-25	3744	G	2.34

Stock No.	Cap. Mfd	WV DC	TVL-*P Type
19U 157	80-20-100	450-450-50	3757
19U 129	10-10-10	450	3776
19U 130	15-15-10	450	3778
19U 131	20-10-10	450	3779
19U 132	20-20-20	450	3780
19U 136	40-40-10	450	3785
19U 137	40-40-20	450	3786
19U 138	40-40-40	450	3787
19U 139	60-20-20	450	3789
19U 151	80-40-20	450	3793
19U 826	40-80-10	475-450-450	3816
19U 124	40-40-100	500-500-200	3935
19U 121	10-10-10	500	3952
19U 122	30-20-20	500	3956

FOUR SECTION

Stock No.	Cap. Mfd	WVDC	TVL Type	TVL Size	EACH
19 U 091	60-40-20-200	150-150-150-10	4414	F	2.07
19 U 082	30-30-30-40	150 150-150-25	4415	G	1.86
19 U 087	80-40-40-20	150-150-150-25	4431	F	2.13
19 U 097	250 200-10-25	150-150-150-50	4440	K	3.21
19 U 079	40-40 40-30	150	4441	F	1.98
19 U 828	200-200-60-30	175	4450	K	3.33
19 U 831	10-200-140-30	300-150-150-150	4559	J	3.06
19 U 072	100-10-200-30	300-300-150-150	4561	K	3.54
19 U 833	150-30-30-150	300-300-300-50	4574	K	3.66
19 U 722	40 40 20-10	300	4579	J	2.73
19 U 853	140-100 20-20	350-300-300-300	4605.3	K	4.62
19 U 866	160-60-10 4	350-300-300 300	4605.5	K	3.78
19 U 867	60 20-80-100	350-350-150-50	4608	K	2.94
19 U 066	60-40-60-20	350-350-200-150	4609	J	3.03
19 U 869	70-40-10-50	350-350-350-50	4631	H	3.15
19 U 872	40-40 40-40	350	4635.3	K	3.60
19 U 055	80-60-40-20	350	4635.7	K	3.84
19 U 052	40 80-100-25	400-350-200-50	4654	J	3.57
19 U 873	100-10 20-20	400-400-350-50	4666.2	K	4.92

Stock No.	Cap. Mfd	WVDC	TVL Type	TVL Size
19 U 050	80-40-30-40	400-400-400-25	4670	K
19 U 875	80-40-10-100	400-400-400-200	4671.2	K
19 U 876	80-40-30-4	400-400-400-350	4672	K
19 U 878	40-40-30-30	450-450-350-350	4720	K
19 U 042	20-20-20-20	450-450-450-25	4724.2	G
19 U 043	40-30-10-20	450-450-450-25	4734	H
19 U 046	40-40-40-40	450-450-450-25	4739	H
19 U 031	10-10-10-10	450	4760	F
19 U 033	20-20-20 20	450	4763	H
19 U 034	30-30-20 20	450	4769.4	H
19 U 036	40-40-20-20	450	4773	J
19 U 037	40-40-30-30	450	4774	K
19 U 038	40-40-40-40	450	4775	K
19 U 887	20-80-20-10	475-300-300-300	4801	J
19 U 896	10-80-40-100	475-400-400-50	4805.2	K
19 U 023	20-20-10-10	475	4832	G
19 U 024	20-20-20-20	475	4834	H
19 U 025	40-20-10 10	475	4840	H
19 U 020	10-10-10-10	500	4940	F

SERIES TL TRANSI-LYTIC CAPACITORS

Miniature electrolytic capacitors specially designed for transistorized circuits. Ideal for repla in pocket radios, walkie-talkies, intercoms. **Important Note:** Capacitance values listed combine the highest voltage with the smallest case size. For example, the 1 mfd value is l 25 volts only as all lower working voltages are the same size and price. Operating temp −20°C to +65°C. Tolerance, −10%, +100%. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Mfd	WV DC	Size Dia. x L.	EA.
14 U 076	TL1053	10	3	.180x.57	.42
14 U 078	TL1058	50	3	.250x.82	.42
14 U 079	TL1059.5	100	3	.250x.82	.45
14 U 081	TL1064	200	3	.375x1.07	.54
14 U 082	TL1065	250	3	.375x1.07	.66
14 U 086	TL1086	8	6	.180x.57	.42
14 U 091	TL1103	150	6	.375x1.07	.60
14 U 092	TL1103.5	175	6	.375x1.07	.60

Stock No.	Mfr's Type	Mfd	WV DC	Size Dia. x L.	EA.
14 U 095	TL1127	5	12	.180x.57	.42
14 U 097	TL1128	10	12	.210x.70	.42
14 U 099	TL1133	50	12	.312x.82	.42
14 U 104	TL1152	5	16	.218x.37	.42
14 U 107	TL1157.1	25	16	.250x.82	.45
14 U 109	TL1162	100	16	.375x1.07	.48
14 U 112	TL1174	5	20	.210x.70	.45
14 U 113	TL1176	8	20	.210x.70	.45

Stock No.	Mfr's Type	Mfd	WV DC	Size Dia. x L
14 U 115	TL1180	25	20	.312x.82
14 U 117	TL1200	1	25	.180x.57
14 U 118	TL1201	2	25	.180x.57
14 U 119	TL1202	5	25	.250x.82
14 U 120	TL1203.5	8	25	.250x.82
14 U 121	TL1204	10	25	.250x.82
14 U 122	TL1206	25	25	.375x1.0
14 U 123	TL1209	50	25	.375x1.0

luminum Electrolytics, Capacitor Hardware

SPRAGUE
THE MARK OF RELIABILITY

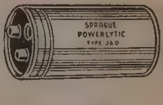
TYPE 36D "POWERLYTIC" INSULATED COMPUTER-GRADE ALUMINUM ELECTROLYTICS

-computer quality, for applications requiring maximum
tance in a given size. "Powerlytic" capacitors have low
re series resistance and leakage currents and extremely
fe. With rigid plastic insulating tube which will with-
military environmental conditions including −55° C
C storage. Aluminum can crimped onto a rubber gasket
d in the clear molded cover. Pressure-type safety vents
ing silicone rubber are used on case covers. ⁹⁄₃₂" terminals
pped for 10-32 screws. Temperature range, −20° C to
C. Tolerance: 3 to 50 WVDC, −10%, +75%; 51 to
VDC, −10%, +50%. Av. wt., 1½ lbs.

CAPACITOR SIZE CHART

Size shown includes plastic tube.

Code	Dia. x Length	Code	Dia. x Length
A	1⁷⁄₁₆x2½"	G	2⁹⁄₁₆x4½"
B	1⁷⁄₁₆x3½"	H	2⁹⁄₁₆x5"
C	1⁷⁄₁₆x4½"	J	3¹⁄₁₆x4½"
D	2¹⁄₁₆x3½"	K	3¹⁄₁₆x5"
E	2¹⁄₁₆x4½"	L	3¹⁄₁₆x6"
F	2⁹⁄₁₆x3½"		



Includes Plastic Insulating Tube

k	Type 36D . . 2A	Mfd	WV DC	Size Code	EACH
20	274G003DF	270000	3	L	10.97
21	124G006DC	120000	6	J	8.20
22	194G006DF	190000	6	L	11.04
23	602G010AA	6000	10	A	1.85
25	123G010AB	12000	10	B	2.23
26	183G010AC	18000	10	C	2.57
27	283G010BB	28000	10	D	3.43
28	423G010BC	42000	10	E	4.15
29	483G010CB	48000	10	F	4.66
30	104G010DC	100000	10	J	8.27
31	164G010DF	160000	10	L	11.10
32	462G015AA	4600	15	A	1.85
56	922G015AB	9200	15	B	2.24
54	133G015AC	13000	15	C	2.58
35	213G015BB	21000	15	D	3.45
55	313G015BC	31000	15	E	4.16
37	363G015CB	36000	15	F	4.68
38	543G015CC	54000	15	G	6.14
39	633G015CD	63000	15	H	6.87
40	803G015DC	80000	15	J	7.97
41	272G025AA	2700	25	A	1.85
42	552G025AB	5500	25	B	2.24
50	822G025AC	8200	25	C	2.59
51	183G025BC	18000	25	E	4.18
52	323G025CC	32000	25	G	6.18
53	473G025DC	47000	25	J	7.99
54	553G025DD	55000	25	K	9.51
55	713G025DF	71000	25	L	10.99
56	363G030DC	36000	30	J	8.05

Stock No.	Type 36D . . 2A	Mfd	WV DC	Size Code	EACH
15 U 057	423G030DD	42000	30	K	9.56
15 U 058	552G040AC	5500	40	C	2.60
15 U 059	842G040BB	8400	40	D	3.50
15 U 060	123G040BC	12000	40	E	4.26
15 U 061	213G040CC	21000	40	G	6.22
15 U 062	253G040CB	25000	40	F	7.02
15 U 063	132G050AA	1300	50	A	1.86
15 U 064	262G050AB	2600	50	B	2.26
15 U 065	392G050AC	3900	50	C	2.61
15 U 066	602G050BB	6000	50	D	3.52
15 U 067	902G050BC	9000	50	E	4.27
15 U 068	153G050CC	15000	50	G	6.24
15 U 069	223G050DC	22000	50	J	8.09
15 U 085	252F075AC	2500	75	C	2.62
15 U 086	392F075BB	3900	75	D	3.53
15 U 087	592F075BC	5900	75	E	4.28
15 U 088	113F075CD	11000	75	H	7.08
15 U 089	143F075DC	14000	75	J	8.14
15 U 090	223F075DF	22000	75	L	11.52
15 U 091	451F100AA	450	100	A	1.86
15 U 097	132F100AC	1300	100	C	2.60
15 U 099	302F100BC	3000	100	E	4.24
15 U 100	532F100CC	5300	100	G	6.22
15 U 101	782F100DC	7800	100	J	8.50
15 U 102	301F150AA	300	150	A	1.86
15 U 103	901F150AC	900	150	C	2.58
15 U 104	142F150BB	1400	150	D	3.45
15 U 105	212F150BC	2100	150	E	4.18
15 U 106	362F150CC	3600	150	G	6.24

Stock No.	Type 36D . . 2A	Mfd	WV DC	Size Code	EACH
15 U 107	532F150DC	5300	150	J	8.42
15 U 108	782F150DF	7800	150	L	11.39
15 U 109	251F200AA	250	200	A	1.85
15 U 110	431F200AB	430	200	B	2.22
15 U 111	641F200AC	640	200	C	2.56
15 U 112	142F200BC	1400	200	E	4.11
15 U 113	162F200CB	1600	200	F	4.70
15 U 114	372F200DC	3700	200	J	8.21
15 U 115	552F200DF	5500	200	L	11.35
15 U 116	531F250AC	530	250	C	2.55
15 U 130	122F250BC	1200	250	E	4.09
15 U 131	302F250DC	3000	250	J	8.19
15 U 132	452F250DF	4500	250	L	11.29
15 U 133	241F300AB	240	300	B	2.20
15 U 134	821F300BC	820	300	E	4.07
15 U 135	212F300DC	2100	300	J	8.16
15 U 136	950F350AA	95	350	A	1.84
15 U 137	191F350AB	190	350	B	2.17
15 U 138	421F350BB	420	350	D	3.17
15 U 139	651F350BC	650	350	E	4.04
15 U 140	112F350CC	1100	350	G	5.91
15 U 141	162F350DC	1600	350	J	8.05
15 U 142	252F350DF	2500	350	L	11.08
15 U 143	421F400BC	420	400	E	4.02
15 U 144	500F450AA	50	450	A	1.80
15 U 150	141F450AC	140	450	C	2.51
15 U 151	221F450BB	220	450	D	3.23
15 U 152	331F450BC	330	450	E	3.99
15 U 153	861F450DC	860	450	J	8.37

NEW TYPE 39D "POWERLYTIC" MINIATURE ALUMINUM ELECTROLYTICS

ure aluminum-can axial-lead electrolytics with same proven
al design, reliability and outstanding performance as the Type
fer greatest possible capacitance in small case, ideal for transistor
. Welded anode and cathode terminals; no riveted or pressure
ions to cause open circuits when operated in the microvolt or
t signal range. End seals made of an improved molded phenolic.
fective series resistance and leakage current. With plastic in-
tube. Operate to 85° C. Tolerance: 3 to 50 WVDC, −10%,
150 to 450 WVDC, −10%, +50%. 2½" leads. Av. wt., 8 oz.

CAPACITOR SIZE CHART

Sizes include plastic tube.

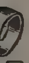
Code	D. x L.	Code	D. x L.	Code	D. x L.	Code	D. x L.
A	⁹⁄₁₆x1¼"	F	1¹⁄₁₆x2¾"	K	¹⁵⁄₁₆x1¼"	P	1¹⁄₁₆x2¼"
B	⁹⁄₁₆x1¾"	G	1³⁄₁₆x1¼"	L	¹⁵⁄₁₆x2¼"	Q	1¹⁄₁₆x2¾"
C	⁹⁄₁₆x2¼"	H	1³⁄₁₆x1¾"	M	¹⁵⁄₁₆x2¾"	R	1¹⁄₁₆x3¼"
D	¹¹⁄₁₆x1¾"	I	1³⁄₁₆x2¼"	N	¹⁵⁄₁₆x3¼"	S	1¹⁄₁₆x3¾"
E	¹¹⁄₁₆x2¼"	J	1³⁄₁₆x2¾"	O	1¹⁄₁₆x1¼"		

k	Type 39D	Mfd	WV DC	Size Code	EA.
34	138G003EL4	1300	3	C	1.65
35	218G003HE4	2100	3	K	1.86
36	308G003JE4	3000	3	O	2.25
37	578G003GP4	5700	3	J	1.83
38	109G003HS4	10000	3	N	2.13
39	189G003JT4	18000	3	S	3.15
90	607G006EJ4	600	6	B	1.62
91	108G006GE4	1000	6	G	1.77
92	208G006GJ4	2000	6	H	1.79
93	408G006GP4	4000	6	J	1.83
94	608G006HP4	6000	6	M	2.04
95	109G006JS4	10000	6	R	2.91
96	507G010EJ4	500	10	B	1.62
97	108G010FJ4	1000	10	D	1.68
98	168G010FL4	1600	10	E	1.71
99	258G010GL4	2500	10	I	1.80
00	508G010HP4	5000	10	M	2.04
03	109G010JT4	10000	10	S	3.15
04	607G015EL4	600	15	C	1.65
05	128G015FL4	1200	15	E	1.71
07	258G015GP4	2500	15	J	1.83

Stock No.	Type 39D	Mfd	WV DC	Size Code	EA.
16 U 509	408G015JL4	4000	15	P	2.43
16 U 510	808G015JT4	8000	15	S	3.15
16 U 511	207F025EJ4	200	25	B	1.62
16 U 512	507G025HE4	500	25	K	1.86
16 U 513	108G025GL4	1000	25	I	1.80
16 U 514	228G025HP4	2200	25	M	2.04
16 U 515	408G025JT4	4000	25	S	3.15
16 U 516	756G030EE4	75	30	A	1.59
16 U 517	157G030EJ4	150	30	B	1.62
16 U 518	257G030EL4	250	30	C	1.65
16 U 519	507G030FL4	500	30	E	1.71
16 U 523	118G030GP4	1100	30	J	1.83
16 U 524	218G030HS4	2100	30	N	2.13
16 U 525	308G030JS4	3000	30	R	2.91
16 U 526	506G050EL4	50	50	A	1.59
16 U 528	107G050EJ4	100	50	B	1.62
16 U 529	157G050EL4	150	50	C	1.65
16 U 531	257G050HE4	250	50	K	1.86
16 U 533	507G050GL4	500	50	I	1.80
16 U 534	118G050HP4	1100	50	M	2.04
16 U 537	238G050JT4	2300	50	S	3.15

Stock No.	Type 39D	Mfd	WV DC	Size Code	EA.
16 U 538	256F150EJ4	25	150	B	1.62
16 U 539	506F150FJ4	50	150	D	1.68
16 U 540	107F150FP4	100	150	F	1.74
16 U 541	257F150HP4	250	150	M	2.04
16 U 542	537F150JT4	530	150	S	3.15
16 U 543	206F250EL4	20	250	C	1.65
16 U 544	506F250JE4	50	250	O	2.25
16 U 545	107F250HL4	100	250	L	1.95
16 U 547	207F250JP4	200	250	Q	2.58
16 U 548	307F250JT4	300	250	S	3.15
16 U 549	206F350FL4	20	350	E	1.71
16 U 550	306F350FP4	30	350	F	1.74
16 U 551	406F350GL4	40	350	I	1.80
16 U 553	506F350GP4	50	350	J	1.83
16 U 554	107F350HS4	100	350	N	2.13
16 U 555	167F350JT4	160	350	S	3.15
16 U 556	505F450EL4	5	450	C	1.65
16 U 558	106F450FL4	10	450	E	1.71
16 U 561	206F450GL4	20	450	I	1.80
16 U 563	506F450JP4	50	450	Q	2.58
16 U 565	756F450JT4	75	450	S	3.15

CAPACITOR MOUNTING HARDWARE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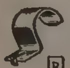
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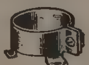
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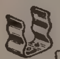
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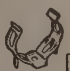
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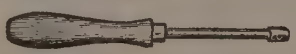
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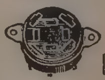

G

ULAR STRAPS Wt., 1 oz.

k	Size Dia.	EACH
62	⅝"	.09
63	¹¹⁄₁₆"	
64	¾"	
65	¹³⁄₁₆"	
66	⅞"	.12
67	¹⁵⁄₁₆"	
68	1"	
69	1⅜"	

CLAMPS Wt., 1 oz.

70	⅝-¾"	.12
71	⅞-1"	

C MOUNTING RINGS Wt., 1 oz.

Stock No.	Size Dia.	EACH
17 U 972	1-1¹⁄₁₆"	.15
17 U 973	1⅜-1⁷⁄₁₆"	.18
17 U 974	1½-1⁹⁄₁₆"	.18
17 U 975	2-2¹⁄₁₆"	.18
17 U 976	2½"	.21
17 U 977	3"	.39

D MOUNTING CLIPS Wt., 1 oz.

17 U 978	¾"	.12
17 U 979	1"	.12
17 U 980	1⅜"	.18

E UNIVERSAL CLIPS Wt., 1 oz.

Stock No.	Dia.	EACH
17 U 981	⅜-⁷⁄₁₆"	.12
17 U 982	½ ⁹⁄₁₆"	
17 U 983	⅝-¹¹⁄₁₆"	
17 U 984	¾-¹³⁄₁₆"	.15
17 U 985	⅞-1⁵⁄₁₆"	
17 U 986	1 1¹⁄₁₆"	
17 U 987	1⅜-1⁷⁄₁₆"	

G MOUNTING SOCKETS Wt., 1 oz.

40 U 335	1"	.42
40 U 336	1⅜"	.67

F 17 U 990. Mtg. Wrench. For twist-prongs. 1 lb. . . . 1.49

MOUNTING PLATES

*Phenolic †Metal. ‡Mount 1" dia. can over 1⅜" dia. hole. Wt., 1 oz.

Stk. No.	Dia.	Stk. No.	Dia.
17 U 945	1"*	17 U 948	1"†
17 U 946	1⅜"*	17 U 949	1⅜"†
17 U 947	‡*	17 U 950	‡†

EACH 09

KRAFT INSULATING SLEEVES

Stk. No.	Dia.	Stk. No.	Dia.
17 U 510	¾x2"	17 U 517	1⅜x2½"
17 U 511	1x2"	17 U 514	1⅜x3"
17 U 515	1x2½"	17 U 988	1⅜x3½"
17 U 512	1x3"	17 U 518	1⅜x4"
17 U 513	1⅜x2"	17 U 989	1⅜x4⅛"

EACH. Wt., 1 oz. 09

SPRAGUE
THE MARK OF RELIABILITY

Miniature Electrolytics

TYPE TE (30D) "LITTL-LYTIC" SUBMINIATURE CAPACITORS

An extensive selection of ultra-small 30D Series electrolytics. Excellent for use in transistor radios, transistor circuits in hearing aids, pocket tape recorders, wireless microphones, and other miniature electronic equipment. Hermetically sealed, aluminum enclosed. All welded construction—no pressu to cause open or intermittent circuits. Extremely low leakage and long shelf life. Withstand temperatures up to 85°C. Si in table below is diameter x length. Av. shpg. wt., 2 oz.

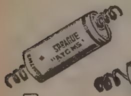
IMPORTANT. Where capacitance is found in 2 or more voltage ratings with nearly same case size and price, normally only the higher voltage unit is listed. A higher voltage rating can be substituted for on lower value provided mfd rating remains equal.

Stock No.	Type TE-	Mfd	WV DC	Size	EA.
11 U 739	1052.2	5	3	¼x9/16"	.51
11 U 742	1053	10	3	¼x9/16"	.51
16 U 028	1055	25	3	5/16x9/16"	.51
11 U 746	1057	40	3	5/16x¾"	.72
11 U 747	1058	50	3	5/16x¾"	.72
11 U 748	1059	75	3	⅜x¾"	.75
11 U 749	1059.5	100	3	5/16x¾"	.81
11 U 003	1061	150	3	7/16x¾"	.81
16 U 654	1064	200	3	7/16x⅞"	.81
11 U 004	1065	250	3	7/16x1"	.81
16 U 656	1066	300	3	7/16x1"	.87
11 U 005	1067	400	3	7/16x1 5/16"	.93
16 U 658	1068	500	3	7/16x1 9/16"	.99
16 U 034	1084	5	6	¼x9/16"	.54
11 U 750	1085	6	6	¼x9/16"	.54
16 U 035	1086	8	6	¼x9/16"	.54
16 U 036	1087	10	6	5/16x9/16"	.54
16 U 037	1089	15	6	5/16x9/16"	.54
11 U 751	1090	20	6	5/16x¾"	.54
16 U 038	1091	25	6	5/16x¾"	.54
16 U 039	1092	30	6	5/16x¾"	.57
11 U 752	1093	35	6	5/16x¾"	.57
11 U 006	1095	40	6	5/16x¾"	.57
16 U 041	1100	50	6	⅜x¾"	.75
16 U 026	1101	60	6	⅜x¾"	.75
16 U 659	1101.5	75	6	7/16x¾"	.81
11 U 753	1102	100	6	7/16x¾"	.81
11 U 754	1103	150	6	7/16x1"	.81
11 U 007	1104	200	6	7/16x1 5/16"	.84
11 U 008	1105	250	6	7/16x1 5/16"	.87
16 U 661	1106	300	6	7/16x1 9/16"	.93
11 U 756	1114	10	10	5/16x9/16"	.57
16 U 043	1118	25	10	5/16x¾"	.75
16 U 621	1119	50	10	7/16x¾"	.81
16 U 622	1119.3	100	10	7/16x⅞"	.81

Stock No.	Type TE-	Mfd	WV DC	Size	EA.
16 U 623	1119.6	200	10	7/16x1 5/16"	.96
16 U 044	1127	5	12	¼x9/16"	.57
16 U 045	1128	10	12	5/16x9/16"	.57
11 U 763	1129	15	12	5/16x¾"	.57
11 U 013	1130	20	12	5/16x¾"	.57
11 U 765	1131	25	12	5/16x¾"	.75
11 U 014	1132	35	12	⅜x¾"	.75
11 U 767	1133	50	12	7/16x¾"	.81
11 U 768	1134	75	12	7/16x⅞"	.81
11 U 769	1135	100	12	7/16x⅞"	.81
11 U 771	1137	200	12	7/16x1 5/16"	96
11 U 772	1138	250	12	7/16x1 5/16"	.96
11 U 018	1154	8	15	5/16x9/16"	.57
16 U 624	1152	5	15	5/16x9/16"	.57
11 U 777	1153	6	15	5/16x9/16"	.57
16 U 630	1159	35	15	7/16x¾"	.75
16 U 625	1155	10	15	5/16x9/16"	.57
16 U 626	1156	15	15	5/16x¾"	.57
11 U 019	1157	20	15	5/16x¾"	.57
16 U 628	1157.1	25	15	⅜x¾"	.75
16 U 629	1158	30	15	⅜x¾"	.75
11 U 023	1203.5	8	25	5/16x¾"	.60
16 U 631	1160	50	15	7/16x¾"	.81
11 U 020	1161	75	15	7/16x⅞"	.81
16 U 633	1162	100	15	7/16x1"	.81
16 U 634	1163	150	15	7/16x1 5/16"	.87
16 U 635	1164	200	15	7/16x1 9/16"	.96
11 U 779	1200	1	25	¼x9/16"	.54
11 U 780	1201	2	25	¼x9/16"	.57
11 U 021	1201.1	3	25	¼x9/16"	.57
11 U 022	1201.2	4	25	¼x9/16"	.57
16 U 046	1202	5	25	¼x9/16"	.57
16 U 047	1203	6	25	5/16x¾"	.57
16 U 048	1204	10	25	5/16x¾"	.60
16 U 049	1205	15	25	⅜x¾"	.75

Stock No.	Type TE-	Mfd	WV DC	Size
16 U 636	1206	20	25	⅜x11/16
16 U 637	1207	25	25	⅜x11/16
16 U 638	1208	35	25	⅜x13/16
16 U 639	1209	50	25	⅜x15/16
11 U 024	1210	75	25	⅜x1¼
16 U 641	1211	100	25	⅜x1½
11 U 784	1300	1	50	¼x11/16
16 U 642	1301	2	50	¼x11/16
11 U 785	1302	3	50	¼x11/16
16 U 643	1302.1	4	50	¼x11/16
11 U 786	1303	5	50	¼x11/16
11 U 025	1303.1	6	50	5/16x11/16
11 U 788	1303.3	8	50	5/16x11/16
11 U 789	1304	10	50	5/16x11/16
11 U 790	1304.2	15	50	⅜x11/16
16 U 644	1305	20	50	⅜x13/16
16 U 662	1306	35	50	⅜x1¼
16 U 645	1307	50	50	⅜x1½
11 U 026	1400	1	100	⅜x15/16
11 U 792	1401	2	100	⅜x15/16
11 U 794	1403	4	100	⅜x15/16
16 U 646	1404	5	100	⅜x15/16
11 U 795	1405	6	100	7/16x1"
16 U 647	1407	10	100	⅜x15/16
11 U 028	1408	15	100	⅜x1¼
16 U 649	1409	20	100	⅜x1½
11 U 797	1500	1	150	⅜x15/16
11 U 798	1501	2	150	⅜x15/16
11 U 029	1502	3	150	⅜x15/16
11 U 799	1503	4	150	⅜x15/16
16 U 651	1504	5	150	⅜x15/16
11 U 800	1505	6	150	7/16x1 5/16
11 U 801	1506	8	150	⅜x1¼
16 U 652	1507	10	150	⅜x1¼

TVA ATOMS—MIDGET ELECTROLYTICS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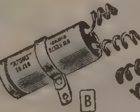
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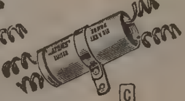

C

All are metal-cased with outer cardboard sleeve, except †cardboard struction. Engineered especially for replacements in tough TV applicatio such as power supplies, decoupling circuits, cathode bypass circuits, *TVAN non-polarized. Will withstand the high surge voltages and ripple currents commonly found in television circuits. Very low leak Operate efficiently at temperatures as high as 85°C. Av. shpg. wt., 6

A SINGLE SECTION TVA

Stock No.	Type	Mfd	WV	Size	EA.
16 U 232	1103	500	6	⅝x2 3/16"	.93
15 U 801	1104	1000	6	¾x2 13/16"	1.14
15 U 861	1106	2000	6	13/16x2 15/16"	1.38
16 U 234	1130	100	12	9/16x1 3/16"	.72
15 U 862	1131	250	12	⅝x1 11/16"	.87
15 U 863	1132	500	12	¾x1 11/16"	1.02
16 U 235	1133	1000	12	13/16x2 3/16"	1 35
16 U 236	1160	100	15	⅝x1 3/16"	.75
16 U 237	1161	250	15	⅝x1 11/16"	.93
16 U 238	1162	500	15	11/16x2 3/16"	1.05
16 U 239	1163	1000	15	⅞x2 3/16"	1.38
15 U 803	1170	2000	15	1x3 11/16"	1 92
15 U 207	1203	5	25	⅜x1¼"	.60
15 U 205	1204	10	25	⅜x1¼"	.60
15 U 805	1204.5	20	25	½x1¼"	.60
15 U 206	1205	25	25	⅜x1¼"	.60
15 U 208	1206	50	25	9/16x1 3/16"	.66
15 U 867	1207	100	25	9/16x1 11/16"	.81
15 U 868	1208	250	25	¾x1 11/16"	1.02
15 U 869	1209	500	25	⅞x2 3/16"	1.38
15 U 864	1211	1000	25	1x2 11/16"	1.98
15 U 870	1300	1	50	⅜x1¼"	.54
15 U 871	1301	2	50	⅜x1¼"	.54
15 U 200	1303	5	50	⅜x1¼"	.60
15 U 201	1304	10	50	⅜x1¼"	.60
15 U 202	1306	25	50	7/16x1⅜"	.63
15 U 203	1308	50	50	9/16x1 11/16"	.72
15 U 876	1310	100	50	¾x1 11/16"	.84
15 U 858	1311	150	50	¾x1 11/16"	.93
15 U 859	1312	250	50	15/16x1 11/16"	1.05
15 U 806	1315	500	50	1x1 15/16"	1.44
15 U 182	1400	1	150	¾x1¼"	.57
15 U 192	1402	4	150	⅜x1¼"	.60
16 U 241	1403	5	150	⅜x1¼"	.60
15 U 193	1405	8	150	⅜x1¾"	.63
15 U 226	1406	10	150	⅜x1¾"	.63
15 U 196	1410	20	150	5/16x1 11/16"	.72
16 U 242	1411	25	150	⅝x1 11/16"	.75
15 U 197	1412	30	150	⅝x1 11/16"	.78
15 U 198	1413	40	150	¾x1 11/16"	.81
15 U 199	1414	50	150	13/16x1 11/16"	.84
16 U 243	1415	60	150	⅞x1 11/16"	.90

A SINGLE SECTION TVA

Stock No.	Type	Mfd	WV	Size	EA.
15 U 878	1418	80	150	⅞x1 15/16"	.96
16 U 619	1420	100	150	⅞x2 3/16"	1.05
16 U 240	1422	150	150	1x2 3/16"	1.14
16 U 244	1423	200	150	1x3 13/16"	1.32
16 U 245	1425†	300	150	1⅜x3⅞"	1.53
15 U 179	1445	100	200	1x2 3/16"	1.14
15 U 191	1447	150	200	1⅜x3⅜"	1.53
16 U 246	1480†	200	200	1⅜x3⅜"	1.74
15 U 185	1501	4	250	7/16x1⅝"	.60
15 U 186	1503	8	250	½x1⅝"	.69
16 U 617	1504	10	250	9/16x1 11/16"	.72
15 U 187	1505	12	250	9/16x1 11/16"	.75
15 U 865	1507	16	250	⅝x1 11/16"	.78
15 U 189	1508	20	250	11/16x1 11/16"	.81
16 U 618	1510	30	250	11/16x2 3/16"	.87
15 U 190	1511	40	250	¾x2 3/16"	.93
15 U 807	1512	50	250	¾x2 3/16"	1.02
15 U 808	1513	60	250	13/16x2 13/16"	1.08
16 U 247	1575†	140	300	1⅜x3⅜"	1.89
16 U 265	1578	200	300	1¼x4½"	2.70
16 U 616	1601	4	350	½x1⅝"	.63
15 U 181	1603	8	350	⅝x1 11/16"	.72
15 U 866	1605	12	350	11/16x1 11/16"	.78
15 U 872	1607	16	350	¾x1 11/16"	84
15 U 184	1608	20	350	13/16x1 11/16"	.87
15 U 809	1610	30	350	13/16x2 3/16"	.99
15 U 983	1611	40	350	⅞x2 7/16"	1.05
15 U 984	1613	60	350	1x2 7/16"	1.17
15 U 812	1620	100	350	1x3 7/16"	1.86
15 U 815	1650*	10	400	1 1/16x2 1/16"	.90
15 U 816	1652*	20	400	1x2 3/16"	.90
15 U 873	1700	1	450	7/16x1⅛"	.66
16 U 615	1701	2	450	7/16x1⅝"	.66
15 U 170	1702	4	450	9/16x1 11/16"	.69
15 U 171	1704	8	450	11/16x1 11/16"	.75
15 U 225	1705	10	450	11/16x1 11/16"	.78
15 U 173	1708	16	450	¾x2 3/16"	.84
15 U 174	1709	20	450	¾x2 3/16"	.93
15 U 169	1711	30	450	⅞x2 3/16"	1.02
15 U 178	1712	40	450	⅞x2 11/16"	1.08
15 U 991	1713	50	450	⅞x3 3/16"	1.26
16 U 248	1714	60	450	1x3 11/16"	1.41

A SINGLE SECTION TVA

Stock No.	Type	Mfd	WV	Size
15U985	1716	80	450	1x3 11/16"
18U219	1718†	100	450	1⅜x3 15/
15U175	1902	8	500	⅞x1 11/16
15U177	1906	20	600	1x2 3/16"
16U249	1962	8	600	1x3 1/16"
16U256	1963	10	600	1x3 1/16"
16U257	1965	16	600	1x4 1/16"
16U258	1966	20	600	1x4 1/16"

B DUAL SECTION TVA

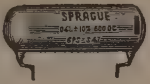
15U247	2428	20-20	150	⅞x1 7/16"
15U251	2434	30-30	150	⅞x1 11/16
15U243	2445	40-40	150	⅞x1 15/16
15U244	2450	50-30	150	⅞x1 15/16
15U305	2453	50-50	150	⅞x2 7/16"
15U306	2460	80-30	150	⅞x2 7/16"
15U258	2461	80-40	150	⅞x2 7/16"
16U259	2462	80-50	150	⅞x2 15/16
15U256	2463	100-50	150	1x1 1/16"
16U262	2464†	100-100	150	1⅜x2 15/
15U257	2515	20-20	250	⅞x1 15/16
18U221	2640†	140-5	350	1¼x3⅞
15U220	2720	8-8	450	⅞x1 11/16
15U884	2722	10-10	450	⅞x1 15/16
15U227	2730	20-20	450	⅞x2 15/16
15U986	2735	30-30	450	1x3 3/16"
15U987	2740	40-40	450	1x3 15/16"

C TRIPLE SECTION TVA

15U307	3440	20-20 20	150	⅞x1 11/16"
15U874	3442	30-25-20	150	⅞x2 3/16"
15U875	3444	30-30-30	150	⅞x2 3/16"
15U800	3446	40-20-20	150	⅞x1 15/16"
15U308	3448	40-30-20	150	⅞x2 3/16"
15U814	3450	40-40 20	150	⅞x2 7/16"
15U309	3451	40-40-40	150	1x2 7/16"
18U222	3453	50-30-20	150	1x2 7/16"
15U327	3455	80 40-20	150	1x2 15/16"
15U811	3422.9	40-20/20	150 25	⅞x1 11/16"
15U312	3423	40-30 20	150 25	⅞x1 15/16"
15U813	3425	40-40/20	150/25	⅞x2 13/16"

Electrolytic Capacitors and Assortments

RANGE DROP" CAPACITORS MYLAR"-PAPER



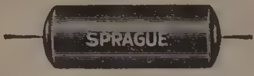
pact dual dielec- "Orange Drops" bine best features of Mylar and special citor tissue. Rock-hard case with space- g radial leads crimped for mounting on ed circuit boards. Double-dipped in ge epoxy resin for protection from ex- ve heat and humidity. Outer foil leads ified by black striping. Temperature e, —40°C to —80°C; can operate to C with proper voltage derating. Toler- ±10%. Shpg. wt., 2 oz.

TYPE 225P RECTANGULAR

height by thickness. 45/64" long, except †1 3/16".

ck	Mfr's Type	Mfd	WV DC	Size	EA.
570	1549R75	.15*	75	5/8x25/64"	.21
571	2249R75	.22*	75	43/64x27/64"	.24
572	3349R75	.33*	75	27/32x31/64"	.27
573	4749R75	.47*	75	27/32x19/32"	.36
574	6849R75	.68†	75	29/32x19/32"	.69
575	1059R75	1.0†	75	63/64x47/64"	.99
576	10291	.001	100	5/16x13/64"	.15
577	15291	.0015	100	5/16x13/64"	.15
578	22291	.0022	100	5/16x13/64"	.15
579	33291	.0033	100	5/16x13/64"	.15
580	47291	.0047	100	5/16x13/64"	.15
581	68291	.0068	100	5/16x13/64"	.15
582	10391	.01	100	5/16x13/64"	.15
630	15391	.015	100	5/16x13/64"	.15
600	22391	.022	100	5/16x13/64"	.15
601	33391	.033	100	21/64x15/64"	.15
603	39391	.039	100	11/32x1/4"	.15
605	47391	.047	100	11/32x1/4"	.15
608	56391	.056	100	3/8x9/32"	.15
609	68391	.068	100	3/8x9/32"	.15
611	82391	.082	100	17/32x21/64"	.15
618	10491	.1	100	17/32x21/64"	.18
TYPE 220P TUBULAR					
017	2PS-S20	.02	200	3/8x7/8"	.15
018	2PS-S47	.047	200	29/64x7/8"	.15
019	2PS-S50	.05	200	15/32x7/8"	.15
020	2PS-P10	.1	200	31/64x1 3/16"	.21
138	2PS-P20	.2	200	19/32x1 5/16"	.24
021	2PS-P25	.25	200	5/8x1 5/16"	.24
917	2PS-P33	.33	200	5/8x1 5/8"	.30
912	2PS-P47	.47	200	45/64x1 5/8"	.36
022	2PS-P50	.5	200	23/32x1 5/8"	.36
023	4PS-S10	.01	400	13/32x11/16"	.15
024	4PS-S20	.02	400	13/32x7/8"	.15
026	4PS-S47	.047	400	29/64x1 3/16"	.18
027	4PS-S50	.05	400	29/64x1 3/16"	.18
911	4PS-S68	.068	400	33/64x1 3/16"	.21
028	4PS-P10	.1	400	37/64x1 3/16"	.21
029	4PS-P20	.2	400	19/32x1 5/8"	.27
030	4PS-P22	.22	400	39/64x1 5/8"	.27
031	4PS-P25	.25	400	41/64x1 5/8"	.30
032	6PS-D10	.001	600	21/64x11/16"	.15
033	6PS-D15	.0015	600	21/64x11/16"	.15
034	6PS-D20	.002	600	21/64x11/16"	.15
026	6PS-D25	.0025	600	21/64x11/16"	.15
014	6PS-D33	.0033	600	23/64x11/16"	.15
028	6PS-D39	.0039	600	3/8x11/16"	.15
043	6PS-D47	.0047	600	25/64x11/16"	.15
049	6PS-D50	.005	600	25/64x11/16"	.15
029	6PS-D56	.0056	600	25/64x11/16"	.15
051	6PS-D68	.0068	600	13/32x11/16"	.18
030	6PS-D82	.0082	600	3/8x7/8"	.18
052	6PS-S10	.01	600	25/64x7/8"	.18
053	6PS-S15	.015	600	27/64x7/8"	.18
054	6PS-S20	.02	600	31/64x7/8"	.18
055	6PS-S22	.022	600	31/64x7/8"	.18
01	6PS-S25	.025	600	17/32x7/8"	.21
35	6PS-S33	.033	600	15/32x1 3/16"	.21
36	6PS-S39	.039	600	31/64x1 3/16"	.21
58	6PS-S47	.047	600	17/32x1 3/16"	.24
59	6PS-S50	.05	600	17/32x1 3/16"	.24
04	6PS-S56	.056	600	35/64x1 3/16"	.24
05	6PS-S68	.068	600	37/64x1 3/16"	.27
43	6PS-S82	.082	600	37/64x1 5/16"	.27
60	6PS-P10	.1	600	5/8x1 5/16"	.27
13	6PS-P15	.15	600	43/64x1 5/8"	.30
61	6PS-P20	.2	600	3/4x1 5/8"	.39
08	6PS-P22	.22	600	25/32x1 5/8"	.42
62	6PS-P25	.25	600	13/16x1 5/8"	.45
63	10PS-D10	.001	1000	21/64x11/16"	.30
67	10PS-D50	.005	1000	13/32x7/8"	.30

"BLACK BEAUTY"— "MYLAR" PAPER TELECAPS

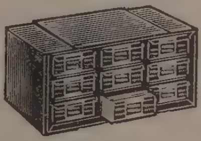


Molded tubular capacitors built to withstand high heat and humidity. Impregnated Mylar/paper dielectric will not leak. 200 to 1600 volt types operate to 105°C without derating; 6000 volt up, to 85°C. 6000 volt types are oil impregnated. ±10%. Wt., 3 oz.

Stock No.	Mfr's Type	Mfd	WV DC	Size Dia.xL.	EA.
15U 119	2TM-610	.01	200	5/16x1"	.15
15U 120	2TM-S20	.02	200	3/8x1 1/4"	.15
15U 149	2TM-S47	.047	200	7/16x1 1/4"	.15
15U 121	2TM-S50	.05	200	7/16x1 1/4"	.15
15U 122	2TM-P10	.1	200	1/2x1 1/2"	.21
15U 145	2TM-P15	.15	200	1/2x1 1/2"	.21
15U 146	2TM-P22	.22	200	5/8x1 7/8"	.24
15U 147	2TM-P25	.25	200	5/8x1 7/8"	.24
15U 148	2TM-P47	.47	200	3/4x2 1/4"	.36
15U 123	2TM-P50	.5	200	3/4x2 1/4"	.36
15U 124	2TM-M1	1.0	200	3/4x2 1/4"	.63
15U 118	4TM-D10	.001	400	5/16x1"	.15
15U 117	4TM-D50	.005	400	5/16x1"	.15
15U 125	4TM-S10	.01	400	3/8x1 1/4"	.15
15U 001	4TM-S15	.015	400	3/8x1 1/4"	.15
15U 126	4TM-S20	.02	400	3/4x1 1/4"	.15
15U 002	4TM-S25	.025	400	7/16x1 1/4"	.18
15U 014	4TM-S47	.047	400	7/16x1 1/4"	.17
15U 127	4TM-S50	.05	400	7/16x1 1/4"	.18
15U 128	4TM-P10	.1	400	1/2x1 1/2"	.21
15U 011	4TM-P15	.15	400	5/8x1 7/8"	.24
15U 521	4TM-P20	.2	400	5/8x1 7/8"	.27
15U 012	4TM-P22	.22	400	5/8x1 7/8"	.27
15U 129	4TM-P25	.25	400	3/4x2 1/4"	.30
15U 005	4TM-P47	.47	400	3/4x2 1/4"	.45
15U 010	4TM-P50	.5	400	3/4x2 1/4"	.45
15U 009	4TM-M1	1.0	400	1x2 1/2"	.75
16U 250	6TM-T10	.0001	600	5/16x1"	.15
16U 251	6TM-T25	.00025	600	5/16x1"	.15
16U 253	6TM-T50	.0005	600	5/16x1"	.15
15U 070	6TM-D10	.001	600	5/16x1"	.15
15U 084	6TM-D15	.0015	600	5/16x1"	.15
15U 071	6TM-D20	.002	600	5/16x1"	.15
15U 095	6TM-D25	.0025	600	5/16x1"	.15
15U 072	6TM-D30	.003	600	5/16x1"	.15
15U 073	6TM-D40	.004	600	3/8x1 1/4"	.15
15U 093	6TM-D47	.0047	600	3/8x1 1/4"	.15
15U 074	6TM-D50	.005	600	3/8x1 1/4"	.15
16U 254	6TM-D68	.0068	600	3/8x1 1/4"	.18
15U 076	6TM-S10	.01	600	3/8x1 1/4"	.18
15U 094	6TM-S15	.015	600	3/8x1 1/4"	.18
15U 077	6TM-S20	.02	600	7/16x1 1/4"	.18
16U 255	6TM-S22	.022	600	7/16x1 1/4"	.18
15U 096	6TM-S25	.025	600	7/16x1 1/4"	.18
15U 078	6TM-S30	.03	600	7/16x1 1/4"	.21
15U 079	6TM-S40	.04	600	1/2x1 1/2"	.21
15U 098	6TM-S47	.047	600	1/2x1 1/2"	.24
15U 080	6TM-S50	.05	600	1/2x1 1/2"	.24
15U 081	6TM-S60	.06	600	1/2x1 1/2"	.24
15U 007	6TM-S68	.068	600	1/2x1 1/2"	.27
15U 082	6TM-P10	.1	600	5/8x1 7/8"	.27
15U 524	6TM-P15	.15	600	5/8x1 7/8"	.30
15U 525	6TM-P20	.2	600	3/4x2 1/4"	.39
15U 008	6TM-P22	.22	600	3/4x2 1/4"	.42
15U 083	6TM-P25	.25	600	3/4x2 1/4"	.45
16U 260	6TM-P50	.5	600	1x2 1/2"	.75
16U 261	6TM-M1	1.0	600	1x2 1/2"	1.05
15U 928	10TM-T50	.0005	1000	5/16x1"	.30
15U 929	10TM-D10	.001	1000	5/16x1"	.30
15U 936	10TM-D50	.005	1000	3/8x1 1/4"	.30
15U 938	10TM-S10	.01	1000	7/16x1 1/4"	.30
15U 945	10TM-S50	.05	1000	5/8x1 7/8"	.36
15U 947	10TM-P10	.1	1000	3/4x2 1/4"	.45
15U 019	MB-D1	.001	1600	3/8x1 1/4"	.39
15U 161	MB-D5	.005	1600	1/2x1 1/2"	.39
15U 166	MB-S1	.01	1600	5/8x1 7/8"	.42
15U 168	MB-S2	.02	1600	5/8x1 7/8"	.42
16U 277	MB-S3	.03	1600	3/4x2 1/4"	.42
16U 278	MB-S4	.04	1600	3/4x2 1/4"	.42
16U 280	TR-15	.05	1600	3/4x2 1/8"	.42
15U 850	TVM-356	.0005	6000	9/16x1 7/8"	.81
15U 851	TVM-216	.001	6000	9/16x1 7/8"	.81
15U 852	TVM-256	.005	6000	1 1/16x2 1/4"	.81
15U 853	TVM-351	.0005	10000	1 1/16x2 1/4"	.90

FREE CABINETS, CASES OR TRAYS WITH ASSORTMENTS

CAPACITOR ASSORTMENTS WITH FILE-TYPE CABINETS



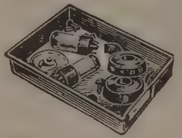
EK-9 Deluxe Electrolytic Capacitor Assortment 9-Drawer Cabinet FREE

EK-9 Deluxe Assortment. One each of 1 TVA electrolytic capacitors with FREE 9 drawer plastic cabinet. Consists of 25 mfd 25 v.; 100 mfd, 25 v.; 5 mfd, 50 v.; 10 mfd 50 v.; 25 mfd, 50 v.; 50 mfd, 50 v.; 100 mfd 50 v.; 20 mfd, 150 v.; 40 mfd, 150 v.; 15 mfd, 150 v.; 8 mfd, 450 v.; 10 mfd, 450 v.; 2 mfd, 450 v.; 30 mfd, 450 v.; 40 mfd, 450 v. 80 mfd, 450 v.; 50-30 mfd, 150 v.; 50-5 mfd, 150 v. 5x9 3/4x6 1/4". Wt., 4 lbs.
19 U 280........................16.1

TK-6 Assortment (Not illus.) 119 "Blac Beauty" tubulars (packaged in reusabl plastic boxes) with FREE 2-drawer stee cabinet. All units 600 WVDC. Includes te .001, ten .002, five .003, fifteen .005, twenty five .01; ten .02, five .03, twenty .05, fiftee .1, four .25 mfd. 4 1/2x7x9 1/2". Wt., 5 lbs
19 U 646........................23.9

TK-24 Assortment. (Not illus.) 124 Orang Drops at 600 WVDC. Features the 13 mos often used ratings, in a FREE 2-drawe steel cabinet. Includes: ten .001, ten .002 five .0033, five .0047, ten .005, twenty-fiv .01, ten .02, five .022, five .033, ten .047 ten .05, fifteen .1, four .25 mfd. 5 lbs.
11 U 169........................24.90

CAPACITOR ASSORTMENTS WITH HIGH-IMPACT PLASTIC JOB TRAYS

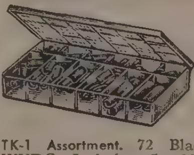


Get This Handy Job-Tray FREE With Either Of the Capacitor Assortments Listed Below

TK-26 Assortment. Has 40 "Black Beauty" molded tubulars plus job tray. Consists of 5 each—.001, .002, .005, .01, .02, .047, .05, and .1. All are 600 WVDC. Wt., 1 1/2 lbs.
19 U 291........................7.80

TK-27 Assortment. 40 "Orange Drop" tubular capacitors plus job tray. Consists of 5 each —.001, .0047, .005, .01, .02, .047, .05, and .1. Rated 600 WVDC. 1 1/2 lbs.
19 U 292........................7.80

CAPACITOR ASSORTMENTS WITH CLEAR-PLASTIC SECTIONED CASES



Clear Plastic Case (1 3/4x11x6 1/2") FREE With Each Assortment

TK-1 Assortment. 72 Black Beauty 600 WVDC. Includes: 5—.001, 5—.002, 2—.0047, 8—.005, 15—.01, 8—.02, 2—.03, 5—.047, 12—.05, 8—.1, 2—.25 mfd. Wt., 2 lbs.
13 U 507........................14.70

TK-12 Assortment. 70 Orange Drops in the 10 most popular ratings. All at 600 WVDC. Includes: 8—.001, 5—.0022, 3—.0047, 6—.005, 16—.01, 2—.02, 5—.03, 5—.047, 12—.05, 8—.1 mfd. Shpg. wt., 2 lbs.
11 U 168........................13.83

Ceramic Capacitors

“CERA-MITE” DISC CERAMIC CAPACITORS

Ultra-compact ceramic disc capacitors in EIA (RETMA) and other popular values. High by-pass efficiency in critical circuits. Moistureproof coating. Tolerances: 1000 WVDC types, ±20%; 500 WVDC, ±20%. All capacitors are “tagged” for easy identification. Sizes range from ¼″ to ⅞″. Average shpg. wt., 2 oz.

SERIES 5GA—1000 WVDC

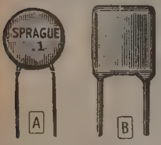
Stock No	Type	Mmf	Stock No.	Type	Mmf
16 U 300	V50	5	16 U 333	T33	330
16 U 302	V75	7.5	16 U 335	T36	360
16 U 304	Q10	10	16 U 336	T39	390
16 U 305	Q12	12	16 U 338	T47	470
16 U 306	Q15	15	16 U 339	T50	500
16 U 308	Q20	20	16 U 340	T56	560
16 U 309	Q22	22	16 U 342	T68	680
16 U 310	Q25	25	16 U 343	T75	750
16 U 313	Q33	33	16 U 345	T82	820
16 U 315	Q47	47	15 U 670	D10	1000
16 U 316	Q50	50	16 U 347	D12	1200
16 U 317	Q56	56	16 U 348	D13	1300
16 U 318	Q68	68	15 U 671	D15	1500
16 U 319	Q75	75	16 U 351	D18	1800
16 U 320	Q82	82	16 U 352	D20	2000
16 U 322	T10	100	16 U 353	D22	2200
16 U 323	T12	120	16 U 354	D25	2500
16 U 325	T15	150	16 U 356	D30	3000
16 U 326	T18	180	16 U 357	D33	3300
16 U 327	T20	200	16 U 358	D39	3900
16 U 328	T22	220	16 U 360	D43	4300
16 U 330	T25	250	16 U 361	D47	4700
16 U 331	T27	270	16 U 362	D50	5000
16 U 332	T30	300	16 U 363	S10	10,000

EACH.......................................15

SERIES 5HK—500 AND 1000 WVDC

Stock No.	Type	Mfd	WVDC	EA.
18 U 650	D10	.001	1000	.15
18 U 651	D15	.0015	1000	
15 U 672	D20	.002	1000	
18 U 659	D25	.0025	1000	
18 U 661	D33	.0033	1000	.15
18 U 665	D47	.0047	1000	
15 U 673	D50	.005	1000	
18 U 666	D68	.0068	1000	
15 U 674	S10	.01	1000	.15
18 U 667	S15	.015	500	
19 U 950	S20	.02	500	
18 U 669	S25	.025	500	
19 U 951	S30	.03	500	.27
19 U 952	S40	.04	500	.27
19 U 953	S50	.05	500	.27
19 U 954	P10	.1	500	.78

LOW-VOLTAGE CERAMICS



Especially designed for circuits requiring extremely small components. Ideal for printed circuits, transistor-type radios, etc. Provide very dependable service in bypass and coupling applications. Have excellent humidity resistance.

A **Type TG.** Have heavy, protective coating. All are rated at 50 working volts, DC. Have tolerance of +80% to −20% except S25, +80% to −30%. Av. shpg. wt., 3 oz.

Stock No.	Type	Mfd	Dia.	EACH
15 U 995	D50	.005	5/16″	.15
15 U 996	S10	.01	3/8″	.15
15 U 997	S25	.025	19/32″	.15
15 U 998	S50	.05	19/32″	.30
15 U 999	P10	.1	3/4″	.39

A **Hypercon Type.** Ultra-miniature ceramic discs. Tolerance, guaranteed minimum value. All are rated 3 working volts, DC, except *12 WVDC. Shpg. wt., 2 oz.

Stock No.	Type	Mfd	Dia.	EACH
16 U 671	HY-120	.1	.225″	.39
16 U 672	HY-125	.22	.275″	.24
16 U 673	HY-130	.47	.400″	.24
16 U 674	HY-135	1.0	.595″	.30
16 U 675	HY-150	2.2	.840″	.39
16 U 394	HY-310*	.047	.275″	.15
16 U 395	HY-320*	.1	.400″	.15
16 U 396	HY-325*	.22	.595″	.24
16 U 397	HY-330*	.47	.840″	.36

B **Monolythic Type.** Solid homogenous block construction assures excellent humidity resistance. Rated 25 working volts, DC. Temperature rating, −55° C to +85° C. Tolerance, ±20%. Size, ½x½x⅛″. 2 oz.

Stock No.	Type	Mfd	EACH
16 U 589	5C7	.1	.80
13 U 382	5C8	.15	.92
16 U 698	5C9	.22	1.06
16 U 699	5C10	.33	1.20
16 U 825	5C11	.47	1.38
16 U 823	5C12	.68	1.48
16 U 824	5C13	1.0	1.96

SERIES 10TCC NPO CERAMICS

Zero temperature-coefficient capacitors. 1000 WVDC. All capacitors listed below are of the disc type. Av. shpg. wt., 2 oz.

Stock No.	Type	Mmf	Stock No.	Type	Mmf
19 U 955	V10	1.0	19 U 965	Q25	25
19 U 956	V15	1.5	19 U 966	Q33	33
19 U 957	V22	2.2	19 U 967	Q39	39
19 U 958	V33	3.3	19 U 968	Q47	47
19 U 959	V47	4.7	19 U 969	Q50	50
19 U 960	V68	6.8	19 U 970	Q68	68
19 U 961	Q10	10.0	19 U 971	Q75	75
19 U 962	Q15	15.0	19 U 972	T10	100
19 U 963	Q20	20.0	19 U 973	T12	120
19 U 964	Q22	22.0	19 U 974	T15	150

EACH.......................................15

Stock No.	Type	Mmf	EACH
19 U 975	T175	175	.15
19 U 976	T22	220	.18
19 U 977	T27	270	.24

SERIES 10TCU N750 CERAMICS

A negative temperature coefficient capacitor with a negative change of 750 parts per million per degree Centigrade. 1000 WVDC. All capacitors listed below are disc type except *rectangular. Av. shpg. wt., 2 oz.

Stock No.	Type	Mmf	Stock No.	Type	Mmf
19 U 978	V50*	5	19 U 986	Q68	68
19 U 979	Q10	10	19 U 987	Q75	75
19 U 980	Q15	15	19 U 988	T10	100
19 U 982	Q22	22	19 U 989	T15	150
19 U 983	Q25	25	19 U 990	T20	200
19 U 984	Q33	33	19 U 991	T22	220
19 U 985	Q47	47	19 U 992	T33	330

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TEMPERATURE-STABLE CERAMICS

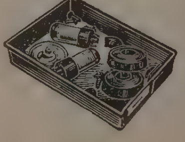
For use wherever minimum capacitance change, with variation in temperature, is an important consideration. Compact size permits easy installation. Tolerance, ± 10%. Rated at 1000 WVDC. Max. continuous operating temperature, +82° C. Av. wt., 2 oz.

Stock No.	Type	Mmf	Stock No.	Type	Mmf
13 U 201	V33	3.3	13 U 251	T22	220
13 U 202	V50	5	13 U 222	T25	250
13 U 205	V75	7.5	13 U 223	T27	270
13 U 207	Q10	10	13 U 225	T33	330
13 U 209	Q15	15	13 U 230	T47	470
13 U 211	Q20	20	13 U 231	T50	500
13 U 213	Q25	25	13 U 232	T56	560
13 U 216	Q33	33	13 U 234	T68	680
13 U 219	Q50	50	13 U 235	T75	750
13 U 220	Q56	56	13 U 237	T82	820
13 U 242	Q75	75	13 U 238	D10	1000
13 U 243	Q82	82	13 U 239	D12	1200
13 U 245	T10	100	13 U 252	D15	1500
13 U 246	T12	120	13 U 254	D18	1800
13 U 248	T15	150	13 U 255	D20	2000
13 U 249	T18	180	13 U 257	D25	1500
13 U 250	T20	200	13 U 260	D33	3300

EACH.......................................15

Stock No.	Type	Mfd	EACH
13 U 264	D47	.0047	.18
13 U 265	D50	.005	.18
13 U 266	D56	.0056	.24
13 U 272	D75	.0075	.33
13 U 273	S10	.01	.33

CK-9 KIT WITH FREE JOB TRAY

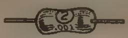


60 popular “Cera-Mites”—5 of each in table below. Plus an unbreakable, tray. 1½x6x9″. GA in Type No. signifies general application; HK—high-K; TG—extra high-K for transistorized circuitry; TS—temperature stable. **Mmf at WVDC;** *1000; †50; §500. 2 lbs.

19 U 278.......................................18.15

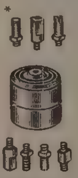
TG-S10	.01†	5GA-D10	.001*
TG-S50	.05†	5HK-D10	.001*
TG-P10	.1†	5GA-D50	.005*
5HK-P10	.1§	5GA-S10	.01*
5GA-T10	.0001*	5HK-S10	.01*
5GA-T47	.00047*	10TS-S10	.01*

“PACER” MINIATURE CAPACIT



3 times smaller tha
ventional pape
tubulars. Non-ind
Metal caps over foil sections. 200 V
−55°C .to +85°C. Derate 50% at
Tolerance, ±10%. 2 oz.

Stock No.	Mfr's Type	Mfd	Size
10 U 334	192P47192	.00047	9/64x5/16″
10 U 360	192P56192	.00056	9/64x5/16″
10 U 361	192P68192	.00068	9/64x5/16″
10 U 362	192P82192	.00082	9/64x5/16″
10 U 335	192P10292	.001	9/64x5/16″
10 U 336	192P12292	.0012	9/64x5/16″
10 U 337	192P15292	.0015	9/64x5/16″
10 U 338	192P18292	.0018	11/64x5/16″
10 U 339	192P22292	.0022	11/64x5/16″
10 U 341	192P33292	.0033	11/64x5/16″
10 U 342	192P39292	.0039	11/64x7/16″
10 U 343	192P47292	.0047	11/64x7/16″
10 U 344	192P56292	.0056	11/64x7/16″
10 U 345	192P68292	.0068	11/64x7/16″
10 U 346	192P82292	.0082	11/64x½″
10 U 347	192P10392	.01	11/64x½″
10 U 348	192P12392	.012	7/32x7/16″
10 U 349	192P15392	.015	7/32x7/16″
10 U 350	192P18392	.018	7/32x9/16″
10 U 352	192P22392	.022	7/32x9/16″
10 U 353	192P33392	.033	15/16x9/16″
10 U 354	192P39392	.039	19/64x½″
10 U 355	192P47392	.047	19/64x⅝″
10 U 356	192P56392	.056	19/64x⅝″
10 U 357	192P68392	.068	19/64x⅝″
10 U 358	192P82392	.082	21/64x⅝″
10 U 359	192P10492	.1	21/64x⅝″
10 U 366	192P12492	.12	21/64x⅞″
10 U 367	192P15492	.15	21/64x⅞″
10 U 368	192P22492	.22	21/64x1⅛″



DOORKNOB CAPACIT

High-voltage, 500-mmf
capacitors for replacement
all types of TV sets. Mo
resistant, thermosetting
plastic. Molded guard rin
crease surface leakage pat
pacitor body has threadec
for variety of screw-in terr
20DK-T5's supplied with 14
inals (2 of each type shown)
30DK-T5 with only 2 ter
indicated by *. Shpg. wt.,

Stock No.	Type	KV Rating	Dia. x Length	
15 U 599	20DK-T5	20	1x3 1/32″	3
15 U 597	30DK-T5	30	1 5/16x1¼″	2.

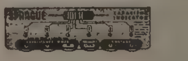
SERIES BL TINY BUFFER CERAM

2000 WVDC. For buffer applications. Mo
proof coating. Tol., ±20%. Wt., 2 oz.

Stock No.	Type BL-	Mfd	Stock No.	Type BL-
16 L 290	D10	.001	16 L 293	D40
16 L 291	D20	.002	16 L 294	D50
16 L 292	D30	.003	....	......

EACH..................................

CAPACITANCE DECODER

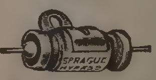


Type C-751. Decodes mfd., toleranc
WVDC from color codes. 2 oz.
19 U 910..................................

“TC” CALCULATOR

Handy slide-rule. Determines parallel
and N750 capacitors to equal desired
mediate temp. coeff. and value. 4 oz.
19 U 916..................................

“HYPASS” CAPACITORS



Feed-through VH
pass capacitors.
in series. 48P18 f
tage regulator. *
term. †AC volts.
head mtg. Wt., 2

Stock No.	Type	Mfd.	Amps.	WVDC	Size
15 U 688	48P18*	.5	40	50	1x1 13/16
15 U 970	48P9*	.1	20	250†	1 1/16x1 13/16
15 U 685	48P8*	.1	20	600	1 1/16x1 13/16
15 U 689	80P3*§	.1	20	600	1 1/16x1 13/16
15 U 992	47P14	.005	20	2500	1x1 9/16″
15 U 993	47P15	.01	20	2500	1x1 9/16″
15 U 697	47P16	.002	20	5000	1x1 9/16″

Cornell-Dubilier and Sprague Capacitors

CORNELL-DUBILIER WIDE-APPLICATION-RANGE TWIST-PRONG ELECTROLYTICS

replacements for electrolytics with
capacitance ranges as listed below.
ges of capacitor replaced must not ex-
working voltages specified for wide-
ation-type replacements. Capacitors
DC working voltage from 3 to 50
have tolerance of −10% to +150%;
51 to 350 volts, −10% to +100%;
351 to 500 volts, −10% to +50%.

Capacitance range, in Table below, indicated by light-faced printing for low end of range, by bold-faced printing for high end of range, Example: Type BB0040 (Dual-Section Electrolytic) has two 500 to 1000-mfd sections.

CDE "Twist-Prong Electrolytic Replacement Guide and Cross Reference." Wt., 9 oz. **10 U 934. With Your Next Order......FREE**

SIZE CHART

Code	Dia. x L.	Code	Dia. x L.
A	1x1½"	G	1⅜x2½"
B	1x1¾"	H	1⅜x3"
C	1x2"	J	1⅜x3½"
D	1x2½"	K	1⅜x3⅝"
E	1x3"	L	1⅜x4"
F	1⅜x2"	M	1⅜x4⅛"

SINGLE-SECTION ELECTROLYTICS. Av. shpg. wt., 1 lb.

k .	Mfr's Type	Mfd Range	WVDC Up to	Code Size	EA.
303	AA0060	500-1000	16	A	1.26
305	AA0070	1000-2000	16	F	1.92
306	AA0080	1500-3000	16	F	2.40
307	AA0120	250-500	25	A	1.17
308	AA0130	500-1000	25	F	1.74
309	AA0160	250-500	50	F	1.44
310	AA0174	750-1500	50	H	2.46
311	AA0200	30-50	150	A	.90
312	AA0241	60-100	150	A	.99
914	AA0252	100-150	150	F	1.29

Stock No.	Mfr's Type	Mfd Range	WVDC Up to	Code Size	EA.
18 U 813	AA0261	100-150	150	C	1.11
18 U 814	AA0263	200-300	150	F	1.59
18 U 815	AA0264	120-200	150	E	1.23
18 U 816	AA0267	80-125	250	E	1.29
18 U 921	AA0316	100-160	250	G	1.65
18 U 819	AA0357	120-200	300	G	2.01
18 U 820	AA0390	30-50	350	C	1.11
18 U 821	AA0401	60-80	350	F	1.47
18 U 822	AA0415	100-150	350	G	1.95

Stock No.	Mfr's Type	Mfd Range	WVDC Up to	Code Size	EA.
18 U 823	AA0417	250-300	350	L	2.97
18 U 824	AA0490	35-50	450	D	1.26
18 U 825	AA0510	60-80	450	G	1.74
18 U 826	AA0512	70-100	450	H	1.98
18 U 827	AA0514	100-125	450	J	2.22
18 U 828	AA0520	7-10	500	A	.90
18 U 833	AA0530	15-20	500	C	1.05
18 U 839	AA0550	30-40	500	D	1.32
18 U 841	AA0560	60-80	500	H	2.07

DUAL-SECTION ELECTROLYTICS. Av. shpg. wt., 1½ lbs.

k .	Mfr's Type	Mfd Range	WVDC Up to	Code Size	EA.
342	BB0040	500-500 **1000-1000**	16	F	2.13
343	BB0085	60-60 **100-100**	50	A	1.14
344	BB0141	20-20 **40-40**	150	A	1.11
346	BB0171	50-50 **80-80**	150	C	1.29
347	BB0181	50-20 **80-40**	150	B	1.20
349	BB0189	100-100 **200-200**	150	G	2.07
350	BB0196	100-4 **200-8**	200	F	1.80
358	BB0241	30-30 **40-40**	250	B	1.26
911	BB0243	50-30 **80-40**	250	G	1.68
359	BB0252	120-120 **200-200**	250	M	2.91

Stock No.	Mfr's Type	Mfd Range	WVDC Up to	Code Size	EA.
18 U 861	BB0270	50-50 **80-80**	300	G	2.04
18 U 860	BB0286	120-50 **200-80**	300	J	2.73
18 U 862	BB0300	15-15 **20-20**	350	C	1.20
18 U 863	BB0310	20-20 **30-30**	350	D	1.38
18 U 864	BB0326	50-30 **80-40**	350	G	1.98
18 U 865	BB0332	70-70 **100-100**	350	J	2.94
18 U 866	BB0356	60-60 **80-80**	400	J	2.67
18 U 867	BB0390	15-7 **20-10**	450	D	1.26
18 U 868	BB0400	15-15 **20-20**	450	D	1.38
18 U 869	BB0410	20-7 **30-10**	450	E	1.38

Stock No.	Mfr's Type	Mfd Range	WVDC Up to	Code Size	EA.
18 U 870	BB0430	20-20 **30-30**	450	F	1.77
18 U 871	BB0440	30-15 **40-20**	450	F	1.77
18 U 872	BB0455	30-30 **50-50**	450	H	2.22
18 U 873	BB0470	60-7 **80-10**	450	H	2.10
18 U 874	BB0473	60-15 **80-20**	450	G	2.19
18 U 875	BB0480	60-30 **80-40**	450	K	2.43
18 U 910	BB0483	70-30 **100-40**	450	J	2.64
18 U 876	BB0490	7-7 **10-10**	500	C	1.17
18 U 877	BB0500	15-15 **20-20**	500	F	1.71
18 U 878	BB0530	30-30 **40-40**	500	G	2.28

TRIPLE-SECTION ELECTROLYTICS. Av. shpg. wt., 1½ lbs.

k .	Mfr's Type	Mfd Range	WVDC Up to	Code Size	EA.
379	CC0090	20-20-20 **40-40-40**	150	B	1.47
380	CC0105	30-30-30 **50-50-50**	150	C	1.53
81	CC0120	50-20-10 **80-40-20**	150	C	1.50
82	CC0160	30-15-15 **40-20-20**	250	C	1.53
83	CC0210	7- 7- 7 **10-10-10**	350	B	1.38
84	CC0225	20-15-7 **30-20-10**	350	D	1.59

Stock No.	Mfr's Type	Mfd Range	WVDC Up to	Code Size	EA.
18 U 885	CC0230	40-30-15 **60-40-20**	350	G	2.28
18 U 909	CC0236	50-40-40 **80-60-60**	350	J	2.91
18 U 886	CC0254	10-10-10 **15-15-15**	450	D	1.68
18 U 887	CC0330	30-20-15 **40-30-20**	450	G	2.43
18 U 888	CC0344	30-30-15 **40-40-20**	450	H	2.52

Stock No.	Mfr's Type	Mfd Range	WVDC Up to	Code Size	EA.
18 U 889	CC0350	30-30-30 **40-40-40**	450	H	2.76
18 U 891	CC0370	50-30-15 **80-40-20**	450	H	2.97
18 U 892	CC0374	30-20-20 **40-30-30**	475	K	2.76
18 U 893	CC0380	7- 7- 7 **10-10-10**	500	E	1.62
18 U 894	CC0390	20-15-15 **30-20-20**	500	H	2.43

QUADRUPLE-SECTION ELECTROLYTICS. Av. shpg. wt., 1½ lbs.

ck .	Mfr's Type	Mfd Range	WVDC Up to	Code Size	EACH
907	DD0015	120-120-40-20 **200-200-60-30**	175	M	3.18
895	DD0020	30-30-15-7 **40-40-20-10**	300	F	2.25
896	DD0032	30-15-15-7 **40-20-20-10**	350	F	2.25
897	DD0042	60-40-30-15 **80-60-40-20**	350	M	3.21
898	DD0174	30-30-15-15 **40-40-20-20**	450	M	3.06

Stock No.	Mfr's Type	Mfd Range	WVDC Up to	Code Size	EACH
18 U 899	DD0177	30-30-30-30 **40-40-40-40**	450	L	3.54
18 U 900	DD0179.3	15-15-7-7 **20-20-10-10**	475	G	2.43
18 U 902	DD0179.5	15-15-15-15 **20-20-20-20**	475	G	2.67
18 U 903	DD0180	7-7-7-7 **10-10-10-10**	500	F	2.10

SPRAGUE TYPE AB MOTOR-STARTING CAPACITORS

olytic capacitors designed for re-
ent in 110-volt capacitor-start
otors. Intermittent duty. Her-
lly sealed aluminum can with in-
g outer cardboard tube. Lug
als. Screws removable for solder
tions.

*Indicates minimum-maximum capacitance values replaceable with these units. Type AB-1109 is for ⅛ hp motors; AB-1110, 1/6 hp; AB-1113 and AB-1116, ¼ hp; AB-1125, ⅓ hp; AB-1131, ½ hp; AB-1146, ¾ and 1 hp. Wt., 10 oz.

SIZE TABLE

From AB-	To AB-	Dia.	Lgth
1104	1122	1 7/16"	2¾"
1125	1130	1 7/16"	3⅜"
1131	1149	1 13/16"	3⅜"
1152	1161	2 1/16"	4⅜"

SPRAGUE
TYPE AB

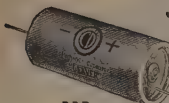
ck o.	Type AB-	* Mfd	EACH
529	1104	38-46	.76
530	1105	43-53	.76
531	1107	53-64	.77
532	1108	64-77	.81
533	1109	72-88	.83
534	1110	88-108	.78
535	1113	108-130	.86
536	1116	124-149	.89
537	1119	130-156	.89

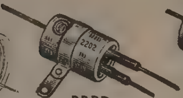
Stock No.	Type AB-	* Mfd	EACH
15 U 538	1122	145-175	.96
15 U 539	1125	161-193	.98
15 U 540	1128	189-227	1.13
15 U 541	1130	200-240	1.17
15 U 542	1131	216-259	1.22
15 U 543	1134	233-280	1.35
15 U 544	1137	243-292	1.41
15 U 545	1140	270-324	1.43

Stock No.	Type AB-	* Mfd	EACH
15 U 546	1142	324-388	1.62
15 U 547	1143	340-408	1.67
15 U 548	1146	378-440	1.80
15 U 549	1149	400-480	1.82
15 U 550	1152	430-516	2.09
15 U 551	1155	460-552	2.28
15 U 552	1158	540-648	2.93
15 U 553	1161	590-708	2.66

Electrolytic and Tantalum Capacitors

CORNELL DUBILIER "BLUE BEAVER" TUBULAR ELECTROLYTICS


BBR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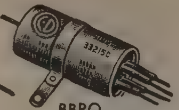

BBRQ

Tubular electrolytic capacitors specifically designed for se
placement applications. Especially popular for cramped space
tions in TV receivers, hearing aids, miniature radios and oth
assemblies. All are hermetically sealed in aluminum cans fo
tion against heat and humidity, and have cardboard outer sle
have a common negative terminal which is grounded to the ca
for operation up to +85° C, except 500 volt types which are
temperatures up to +65° C. Av. shpg. wt., 6 oz.

BR/BBR SINGLE SECTION

Stock No.	Type	Mfd	W.V.	Size In.	EA.
19 U 203	25-6	25	6	⅜x1 1/16	.51
19 U 204	50-6	50	6	⅜x1 1/16	.57
19 U 205	100-6	100	6	½x1 1/16	.72
19 U 206	250-6	250	6	½x1 1/16	.81
19 U 285	500-6	500	6	1½x1 7/16	.93
19 U 286	1000-6	1000	6	⅝x1 11/16	1.14
19 U 287	2000-6	2000	6	¾x2	1.38
19 U 207	100-15	100	15	½x1 1/16	.75
19 U 272	250-15	250	15	½x1 1/16	.93
19 U 273	500-15	500	15	½x1 7/16	1.05
19 U 274	1000-15	1000	15	⅝x1 11/16	1.38
19 U 284	2000-15	2000	15	¾x2	1.92
19 U 216	10-25	10	25	⅜x1 1/16	.60
19 U 217	20-25	20	25	⅜x1 1/16	.60
19 U 218	25-25	25	25	⅜x1 1/16	.60
19 U 219	50-25	50	25	½x1 1/16	.66
19 U 208	100-25	100	25	½x1 1/16	.81
19 U 270	250-25	250	25	½x1 7/16	1.02
19 U 271	500-25	500	25	⅝x1 11/16	1.38
19 U 222	5 50	5	50	⅜x1 1/16	.60
19 U 223	10-50	10	50	⅜x1 1/16	.60
19 U 224	25-50	25	50	½x1 1/16	.63
19 U 147	100 50	100	50	½x1 7/16	.84
19 U 148	150-50	150	50	⅝x1 7/16	.93
19 U 149	250-50	250	50	¾x1 7/16	1.05
19 U 269	500-50	500	50	⅞x1 11/16	1.44
19 U 214	4-150	4	150	⅜x1 1/16	.60
19 U 249	8-150	8	150	½x1 1/16	.63
19 U 226	10-150	10	150	½x1 1/16	.63
19 U 247	12-150	12	150	½x1 1/16	.66
19 U 248	16-150	16	150	½x1 7/16	.69
19 U 225	20-150	20	150	½x1 7/16	.72
19 U 145	25-150	25	150	¾x1 7/16	.75
14 U 045	30 150	30	150	¾x1 7/16	.78
14 U 046	40-150	40	150	¾x1 11/16	.81
14 U 047	50-150	50	150	¾x1 11/16	.84
19 U 146	60-150	60	150	⅞x1 11/16	.90
14 U 039	80-150	80	150	⅞x1 11/16	.96
14 U 056	100-150	100	150	⅞x2	1.05
14 U 057	150-150	150	150	1x2 3/16	1.14
14 U 542	200-150	200	150	1x3	1.32
14 U 543	300-150	300	150	1x3 13/16	1.77
19 U 227	4-250	4	250	½x1 1/16	.60

BR/BBR SINGLE SECTION (Cont'd)

Stock No.	Type	Mfd	W.V.	Size In.	EA.
19 U 228	8-250	8	250	½x1 7/16	.69
19 U 229	12-250	12	250	½x1 7/16	.75
14 U 033	16-250	16	250	¾x1 7/16	.78
14 U 034	20-250	20	250	¾x1 7/16	.81
19 U 142	30-250	30	250	¾x1 11/16	.87
14 U 035	40-250	40	250	¾x2	.93
19 U 143	50-250	50	250	⅞x1 11/16	1.02
19 U 144	60-250	60	250	1x1 11/16	1.08
14 U 020	4-350	4	350	⅝x1 1/16	.63
14 U 021	8-350	8	350	⅝x1 7/16	.72
14 U 022	12-350	12	350	¾x1 7/16	.78
14 U 023	16-350	16	350	¾x1 7/16	.84
14 U 018	20-350	20	350	¾x1 7/16	.87
14 U 019	30-350	30	350	¾x2	.99
14 U 026	40-350	40	350	⅞x2	1.05
14 U 544	60-350	60	350	1x2	1.17
14 U 545	80-350	80	350	1x3	1.26
14 U 546	100-350	100	350	1x3	1.53
14 U 008	1-450	1	450	⅝x1 1/16	.66
14 U 009	2-450	2	450	⅝x1 1/16	.66
14 U 010	4-450	4	450	⅝x1 1/16	.69
14 U 011	8-450	8	450	¾x1 7/16	.75
14 U 012	10-450	10	450	¾x1 7/16	.78
14 U 013	12-450	12	450	¾x1 7/16	.81
14 U 014	16-450	16	450	¾x1 11/16	.84
14 U 015	20-450	20	450	⅞x1 11/16	.93
14 U 016	30-450	30	450	1x2	1.02
14 U 017	40-450	40	450	1x2 3/16	1.08
14 U 004	60-450	60	450	1x3	1.41
14 U 005	80-450	80	450	1x3 9/16	1.68
14 U 547	100-450	100	450	1x3 13/16	1.92
19 U 215	4-500	4	500	⅝x1 7/16	.72
14 U 000	8-500	8	500	¾x1 7/16	.78
14 U 001	16-500	16	500	⅞x1 11/16	.90
14 U 002	20-500	20	500	⅞x2	.96
14 U 003	30-500	30	500	1x2	1.05
14 U 539	10-700	10	700	1 1/16x3 3/16	1.53
14 U 541	16-700	16	700	1 1/16x4 5/16	2.10

BBRD DUAL SECTION

19 U 220	2202	20-20	25	¾x1 1/16	.84
19 U 250	115	10-10	50		.84
19 U 252	2215	20-20	150		.99

BBRD DUAL SECTION (Con

Stock No.	Type	M fd	W.V.	Size
19 U 254	3315	30-30	150	⅞x1
19 U 257	4415	40-40	150	⅞x2
19 U 258	5315	50-30	150	⅞x2
19 U 259	5515	50-50	150	1x2
19 U 260	8415	80-40	150	1x2 3/1
18 U 609	0183.7	100-50	150	1x3
19 U 288	101015	100-100	150	1x3
19 U 289	8D25	8-8	250	¾x1 7/
19 U 263	2225	20-20	250	1x1 11/
19 U 296	3325	30-30	250	1x2 3/16
18 U 614	0286	150-100	300	1⅜x4
19 U 265	8D45	8-8	450	⅞x1 11
19 U 267	16D45	16-16	450	1x2½
19 U 268	2245	20-20	450	1x3
19 U 297	3345	30-30	450	1⅛x3
19 U 221	4445	40-40	450	1x4 1/16

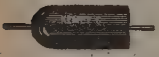
BBRT TRIPLE SECTION

Stock No.	Type	Mfd	W.V.	Size,
19 U 230	22215	20-20-20	150	⅞x1
19 U 231	32V215	30-25-20	150	⅞x2
19 U 232	33315	30-30-30	150	1x2
19 U 233	42215	40-20-20	150	1x1 1
19 U 234	43215	40-30-20	150	1x2
19 U 235	44215	40-40-20	150	1x2
19 U 236	44415	40-40-40	150	1x2 3/
19 U 298	84215	80-40-20	150	1x3
18 U 620	0126 5	150-150-150	150	1⅜x4
19 U 238	3315C	30-30, 20	150, 25	⅞x2
19 U 239	4215C	40-20, 20	150, 25	1x1 1
19 U 243	5315C	50-30, 20	150, 25	1x1 1
19 U 245	8415C	80-40, 20	150, 25	1x2½
18 U 621	0185	40-40, 40	300	1⅛x3
19 U 282	16T45	16-16-16	450	1⅜x3

BBRQ QUADRUPLE SECTIO

19U 290	33215C	30-30-20, 20	150, 25	1x2
19U 293	44315C	40-40-30, 20	150, 25	1x2½
19U 294	55515C	50-50-50, 20	150, 25	1x3
18U 628	0789.4	140-5,200-30	300, 500	1½x4
18U 635	0174	40-40-20, 20	450	1⅜x4

KEMET C-SERIES SOLID TANTALUMS



Small size with high capacity and reliability. Precision-molded epoxy tantalum electrolytic capacitor that is ideal for tight wiring in compact assemblies. Bullet shaped for easy identification of polarity. Molded case provides high moisture resistance; C-Series will give peak performance under conditions of severe shock and vibration. Especially useful for two-way radio, mobile Ham, better-grade entertainment devices. Low DC leakage and high capacity stability at temperatures from −55°C to +85°C. Tolerance, ±10%. Prices and sizes in table below. **Price depends on case size.** Av. shpg. wt., 2 oz.

PRICE AND SIZE LOCATOR

*Case Size	Diameter x Length	EACH	*Case Size	Diameter x Length	EACH
A	.138x.390"	.63	D	.300x.710"	1.23
B	.138x.390"	.68	E	.300x.710"	1.43
C	.190x.562"	.65	F	.365x.875"	2.30

Stock No.	Mfr's Type	Mfd	WV DC	*	Stock No.	Mfr's Type	Mfd	WV DC	*
17 U 145	KR1C35K	.10	35	A	17 U 391	K6R8C6K	6.8	6	A
17 U 146	KR1C50K	.10	50	B	17 U 392	K6R8C35K	6.8	35	C
17 U 161	KR15C35K	.15	35	A	17 U 660	K10C20K	10	20	C
17 U 162	KR15C50K	.15	50	B	17 U 661	K10C35K	10	35	E
17 U 177	KR22C35K	.22	35	A	17 U 688	K15C20K	15	20	C
17 U 178	KR22C50K	.22	50	B	17 U 689	K15C35K	15	35	E
17 U 194	KR33C35K	.33	35	A	17 U 715	K22C15K	22	15	C
17 U 195	KR33C50K	.33	50	B	17 U 716	K22C35K	22	35	E
17 U 214	KR47C35K	.47	35	A	17 U 737	K33C10K	33	10	C
17 U 215	KR47C50K	.47	50	B	17 U 738	K33C20K	33	20	D
17 U 232	KR68C35K	.68	35	A	17 U 739	K33C35K	33	35	F
17 U 233	KR68C50K	.68	50	B	17 U 759	K47C6K	47	6	C
17 U 260	K1C35K	1.0	35	A	17 U 760	K47C20K	47	20	D
17 U 261	K1C50K	1.0	50	B	17 U 779	K68C15K	68	15	D
17 U 285	K1R5C20K	1.5	20	A	17 U 780	K68C20K	68	20	F
17 U 286	K1R5C35K	1.5	35	C	17 U 793	K100C10K	100	10	D
17 U 311	K2R2C20K	2.2	20	A	17 U 794	K100C20K	100	20	F
17 U 312	K2R2C35K	2.2	35	C	17 U 808	K150C6K	150	6	D
17 U 338	K3R3C15K	3.3	15	A	17 U 809	K150C15K	150	15	F
17 U 339	K3R3C35K	3.3	35	C	17 U 823	K220C10K	220	10	F
17 U 364	K4R7C10K	4.7	10	A	17 U 829	K330C6K	330	6	F
17 U 365	K4R7C35K	4.7	35	C	....	....	....	..	.

CORNELL DUBILIER

ECSP "SQUARE" MINIATURE ELECTROLYTICS

25 MFD
25 WV
CORNELL
DUBILIER

- Higher Packaging Densities for
  In Printed Circuits
- Tough Epoxy Resin Side-Fill
- Moistureproof and Heat Resist
  Welded Leads, Flush Mounted

Modern capacitor design! Latest-style miniature "squares" so
problem of fitting components on crowded printed circuit board
transistorized circuits. Capacitors butt squarely against each
there's no wasted space. To ensure reliability, and to eliminate v
misalignment of capacitor elements, units are side-filled with epo
not end-filled, as in conventional types. Wiggling due to end-fill
is avoided—mountings are perfectly flush. Leads are firmly weld
crimped or soldered) for minimum contact resistance. High-
molded phenolic case is moistureproof and heat resistant; moist
tent remains unchanged. Range: −20° C to +65° C. Tolerance:
to +150%. Sizes in table below: A = ⅜x⅜x⅝"; B = ⅜x⅜x⅞";
½x1". Av. shpg. wt., 2 oz.

3 WVDC

Stock No.	Mfr's Type ECSP-	Mfd	Size	EA.
12 U 110	50-3	50	A	.69
12 U 111	100-3	100	B	.69
12 U 112	250-3	250	C	.75

10 WVDC

12 U 113	35-10	35	A	.69
12 U 114	50-10	50	B	.69
12 U 120	150-10	150	C	.72

15 WVDC

12 U 121	5-15	5	A	.66
12 U 122	10 15	10	A	.66
12 U 123	25-15	25	A	.69
12 U 124	30-15	30	A	.69
12 U 125	35-15	35	B	.69
12 U 126	50-15	50	B	.69
12 U 127	100-15	100	C	.72
12 U 128	125-15	125	C	.72

25 WVDC

Stock No.	Mfr's Type ECSP-	Mfd	Si
12 U 130	10-25	10	A
12 U 131	15-25	15	A
12 U 135	25-25	25	B
12 U 140	75-25	75	C

50 WVDC

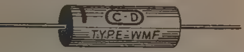
12 U 141	10-50	10	A
12 U 150	15-50	15	B
12 U 151	20-50	20	C
12 U 152	30-50	30	C
12 U 153	50-50	50	C

75 WVDC

12 U 154	3-75	3	A
12 U 155	5-75	5	B
15 U 156	15-75	15	C

Capacitors and Noise Filters

ORNELL DUBILIER TYPE WMF
BULAR "MYLAR" CAPACITORS



encased, ultra-compact tubular capacitors ing a "Mylar" film dielectric. Combine nely small size with exceptional strength, ility and stability. Also offer high insu- resistance, low power factor, and opera- t temperatures from −55°C to +125°C. so well they meet requirements for tran- applications in computer and military ts, instrumentation, and test equipment. ealed with high-density thermosetting c. Non-inductive, extended foil construc- vith tinned wire leads soldered direct to r low-resistance and low RF impedance. r factor, less than 1% at 25°C. Toler- ±10%. Av. shpg. wt., 3 oz.

100 WVDC

ck .	Type WMF-	Mfd	Size	EA.
975	1D1	.001	5/32x1/2"	.21
976	1D15	.0015	5/32x1/2"	.21
977	1D22	.0022	5/32x1/2"	.21
978	1D33	.0033	5/32x1/2"	.21
979	1D47	.0047	5/32x1/2"	.21
980	1D68	.0068	11/64x1/2"	.21
981	1S1	.01	13/64x1/2"	.21
982	1S15	.015	15/64x1/2"	.21
983	1S22	.022	9/32x5/8"	.24
984	1S33	.033	19/64x5/8"	.24
985	1S47	.047	17/64x3/4"	.27
986	1S68	.068	9/32x3/4"	.27
987	1P1	.1	19/64x7/8"	.36
988	1P15	.15	21/64x7/8"	.36
989	1P22	.22	25/64x1"	.39
990	1P33	.33	27/64x1 1/8"	.45
991	1P47	.47	15/32x1 1/4"	.47
992	1P68	.68	9/16x1 1/4"	.57
993	1W1	1.0	5/8x1 1/2"	.87
995	1W1P5	1.5	25/32x1 3/4"	1.23
996	1W2	2.0	11/64x1 3/4"	1.50

200 WVDC

377	2D1	.001	5/32x1/2"	.21
378	2D15	.0015	5/32x1/2"	.21
379	2D22	.0022	5/32x1/2"	.21
380	2D33	.0033	5/32x1/2"	.21
381	2D47	.0047	11/64x1/2"	.21
382	2D68	.0068	13/64x1/2"	.21
383	2S1	.01	15/64x1/2"	.21
384	2S15	.015	19/64x1/2"	.21
385	2S22	.022	9/32x5/8"	.24
386	2S33	.033	17/32x3/4"	.24
387	2S47	.047	21/64x3/4"	.27
388	2S68	.068	11/32x3/4"	.27
389	2P1	.1	13/32x7/8"	.36
390	2P15	.15	1/2x7/8"	.36
391	2P22	.22	1/2x1 1/8"	.39
392	2P33	.33	35/64x1 1/8"	.45
393	2P47	.47	19/32x1 1/4"	.51
394	2P68	.68	21/32x1 5/8"	.57
395	2W1	1.0	3/4x1 3/4"	.87
397	2W1P5	1.5	29/32x1 3/4"	1.23
398	2W2	2.0	63/64x1 7/8"	1.50

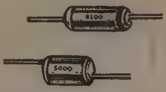
400 WVDC

k .	Type WMF-	Mfd	Size	EA.
329	4D1	.001	5/32x5/8"	.27
330	4D22	.0022	5/32x5/8"	.27
331	4D47	.0047	13/64x5/8"	.27
332	4S1	.01	19/64x5/8"	.27
333	4S15	.015	23/64x5/8"	.27
334	4S22	.022	5/16x3/4"	.27
335	4S33	.033	11/32x7/8"	.27
336	4S47	.047	13/32x7/8"	.30
337	4S68	.068	25/64x1"	.33
338	4P1	.1	15/32x1"	.33
339	4P15	.15	33/64x1 1/4"	.36
340	4P22	.22	9/16x1 3/8"	.42
341	4P33	.33	19/32x1 5/8"	.66
342	4P47	.47	55/64x1 5/8"	.78
343	4P68	.68	11/16x1 3/4"	.96
344	4W1	1.0	7/8x2"	1.20
346	4W1P5	1.5	31/32x2 1/4"	1.56
347	4W2	2.0	1 1/4x2 1/4"	2.04

600 WVDC

12	6D1	.001	11/64x3/4"	.30
18	6D22	.0022	3/16x3/4"	.30
23	6D47	.0047	15/16x3/4"	.30
15	6S1	.01	19/64x1/4"	.30
17	6S22	.022	21/64x7/8"	.30
19	6S47	.047	27/64x1"	.33
21	6P1	.1	33/64x1 3/8"	.42
23	6P22	.22	21/32x1 5/8"	.51
25	6P47	.47	55/64x2"	1.14
27	6W1	1.0	1 11/64x2 1/2"	2.55

NEW MALLORY TYPE SX
POLYSTYRENE CAPACITORS



Polystyrene foil capacitors replace mica, film, paper and ceramic types in most applications. Provide excellent temperature stability and humidity protection. Lightweight, low-cost capacitors are perfect for applications requiring long life expectancy. Leakage resistance is greater than 100,000 megohms. Low capacitance drift. Power factor, less than 0.05%. Best operating stability within temperature range of −10°C to +70°C. All are rated at 500 WVDC; surge, 1500 VDC. Capacity tolerance is ±5%. Lengths: *.395"; †.59"; ‡.59" to .79". Av. shpg. wt., 2 oz.

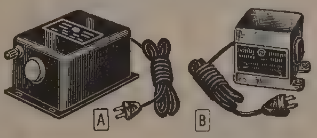
CAPACITANCE RANGE CHART

Mmf	Mmf	Mmf	Mmf	Mmf	Mmf	Mmf
5	36	110	330	910	2500	6200
10	29	120	360	1000	2700	6800
12	43	130	390	1100	3000	7500
15	47	150	430	1200	3300	8200
18	56	160	470	1300	3600	9100
20	62	180	510	1500	3900	10K
22	68	200	560	1600	4300	......
24	75	220	620	1800	4800	......
27	82	240	680	2000	5000	......
30	91	270	750	2200	5100	......
33	100	300	820	2400	5600	......

PRICE AND SIZE LOCATOR

Stock No.	Capacity Mmf	Dia. Inches	EACH
10 U 400 C	5-300	*.165-.255	.12
10 U 401 C	330-1000	†.194-.233	.12
10 U 402 C	1100-3000	†.238-.348	.15
10 U 403 C	3300-5000	‡.366-.466	.18
10 U 404 C	5100-10K	‡.470-.590	.21

CORNELL DUBILIER PLUG-IN
NOISE FILTERS

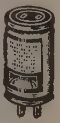


A **Type IF-18.** Highly effective all wave capacitive-inductive type of filter especially designed for suppression of severe interference. For use wherever ventilating or air conditioning units, washing machines, or machine tools interfere with reception. Bakelite case, 6x3¾x2½", with line cord and plug attached. Has binding post for attachment of ground wire, if used. Rated at 115 volts, AC-DC, 5 amps. Shpg. wt., 4 lbs.

13 U 564.............................**6.60**

B **Type IF-19.** Effective capacitive-inductive type filter for use wherever interference is severe. Can be used to eliminate interference from electric fans, diathermy machines, neon signs, washing machines, food mixers, calculating machines, etc. Has terminal for ground connection. Rated 115 volts AC-DC, 5 amps. 4x2¼x2⅞". Shpg. wt., 3 lbs.

13 U 565.............................**5.55**



Type IF-4. Efficient, plug-in, cylindrical filter for suppression of medium-intensity interference produced by fluorescent lighting fixtures, electric shavers, fans, food mixers, billing machines, and similar devices. Well suited for use with small receivers such as AC-DC midget sets, portable TV sets, etc. Filter plugs directly into wall; appliance or receiver plugs into filter. Rated at 115 volts, AC-DC, 5 amps. 1⅛" dia., 2" long. Shpg. wt., 5 oz.

13 U 568.............................**.90**

Type IF-6. Convenient plug-in filter designed for elimination of moderate interference. Especially suitable for suppression of interference caused by fluorescent lights, electric shavers, and similar devices. For installation as an accessory of a portable or semi-permanent nature on radios, TV's, etc. Connects between power line and appliance, or between power line and receiver. Rated at 115 volts, AC-DC, 5 amps. 1⅜" dia., 2" long. Shpg. wt., 6 oz.

13 U 569.............................**1.41**

NEW MALLORY TYPE MTA
TUBULAR ALUMINUM ELECTROLYTICS

Special precision molding process for these electrolytics ensures case uniformity and higher-than-average quality. Polypropylene case material provides exceptional protection from extreme humidity, excludes water molecules while permitting molecular venting of the electrolyte, if necessary. All welded construction. Temperature range, −20°C to +65°C. Capacity tolerance, −10%, +100%. Av. wt., 3 oz.

CASE SIZES

*Code Letter	Size Dia. x Length
D	5/16x3/4"
E	3/8x1"
F	1/2x1 3/8"

3 WVDC

Stock No.	Type MTA-	Mfd	Size*	EACH
10 U 405	60D3	60	D	.36
10 U 406	175E3	175	E	.45
10 U 407	600F3	600	F	.45

6 WVDC

10 U 408	50D6	50	D	.36
10 U 409	125E6	125	E	.39
10 U 410	150E6	150	E	.39
10 U 411	450F6	450	F	.51
10 U 412	500F6	500	F	.51

10 WVDC

10 U 413	40D10	40	D	.36
10 U 414	75E10	75	E	.39
10 U 415	100E10	100	E	.39
10 U 416	200F10	200	F	.45
10 U 417	400F10	400	F	.54

15 WVDC

10 U 418	30D15	30	D	.36
10 U 419	35D15	35	D	.36
10 U 420	50E15	50	E	.39
10 U 421	80E15	80	E	.39
10 U 430	90E15	90	E	.39
10 U 431	100E15	100	E	.39
10 U 432	250F15	250	F	.51
10 U 433	300F15	300	F	.63
10 U 434	350F15	350	F	.63

20 WVDC

10 U 435	25D20	25	D	.36
10 U 441	60E20	60	E	.39
10 U 445	70E20	70	E	.39
10 U 446	250F20	250	F	.63

25 WVDC

10 U 447	50E25	50	E	.39
10 U 452	175F25	175	F	.54
10 U 455	200F25	200	F	.63

30 WVDC

10 U 456	20D30	20	D	.36
10 U 457	40E30	40	E	.39

35 WVDC

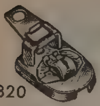
10 U 458	9D35	9	D	.36
10 U 459	10D35	10	D	.36
10 U 460	15D35	15	D	.36
10 U 461	25E35	25	E	.39
10 U 462	30E35	30	E	.39
10 U 463	35E35	35	E	.39
10 U 464	90F35	90	F	.51
10 U 465	100F35	100	F	.51
10 U 481	125F35	125	F	.54
10 U 482	150F35	150	F	.63

50 WVDC

10 U 483	1D50	1	D	.36
10 U 484	2D50	2	D	.36
10 U 485	3D50	3	D	.36
10 U 486	4D50	4	D	.36
10 U 487	5D50	5	D	.36
10 U 488	6D50	6	D	.36
10 U 489	7D50	7	D	.36
10 U 490	8D50	8	D	.36
10 U 491	9E50	9	E	.39
10 U 492	10E50	10	E	.39
10 U 493	15E50	15	E	.39
10 U 494	20E50	20	E	.39
10 U 495	25F50	25	F	.45
10 U 501	30F50	30	F	.45
10 U 505	35F50	35	F	.45
10 U 506	40F50	40	F	.45
10 U 524	50F50	50	F	.45
10 U 525	60F50	60	F	.51
10 U 526	70F50	70	F	.51
10 U 529	80F50	80	F	.54

Centralab Ceramic Capacitors and Trimmers

CERAMIC-DIELECTRIC TRIMMERS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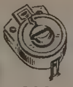
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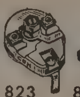
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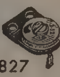
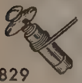

827


829

Compact, stable trimmer capacitors with ceramic dielectric. Lightweight, easily mounted. Screwdriver adjustment. Provide a smooth, linear rate of change. Full capacity range with 180° rotation. Balanced rotor and heavy spring pressure for excellent mechanical stability, even under conditions of heavy vibration. Silver is fired to stator and rotor, which make contact on flat optically ground surface to eliminate air space. All types rated at 500 WVDC. Power factor: less than ±0.2% at 1 mc. Types 820, 822 and 823 constructed with steatite base, 827 phenolic base, 829 are tubular ceramic (with mounting screw and nut). Letter N in Type No. indicates negative temperature coefficient, letter Z in type No. indicates zero temperature coefficient. *Dimension given is for body length. Av. shpg. wt., 2 oz.

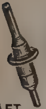
TYPES 820 AND 822

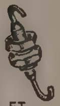
Stock No.	Mfr's Type	Mmf Range	Base Size	EACH
11 U 383	820-B	5-20	5/8x27/32"	1.14
11 U 384	820-C	7-35	5/8x27/32"	
11 U 651	822-EN	4-30	27/32x41/64"	
11 U 125	822-CN	4.5-25	27/32x41/64"	
11 U 124	822-BN	7-45	27/32x41/64"	
11 U 123	822-AN	8-50	27/32x41/64"	1.14
11 U 653	822-EZ	1.5-7		
11 U 128	822-BZ	2.5-13		
11 U 654	822-FZ	3-12		
11 U 127	822-AZ	4.5-25		

TYPES 823, 827 AND 829

Stock No.	Mfr's Type	Mmf Range	Base Size	EACH
11 U 510	823-AN	20-125	15/16x17/32"	3.60
11 U 513	823-AZ	12-62	15/16x17/32"	3.60
11 U 517	827-B	3.5-12	17/32x3/4"	.90
11 U 518	827-C	6-30	17/32x3/4"	.90
11 U 519	827-D	7-35	17/32x3/4"	.90
11 U 400	829-3	.5-3	*1/2"	.30
11 U 402	829-6	1-6	*5/8"	.30
11 U 404	829-10	1.5-10	*3/4"	.30

FEED-THRU HI-KAPS


MFT


FT

Tiny ceramics for single-hole mounting. Specifically designed for, widely used in high frequency circuits. Rated 500 WVDC. Type FT has 12-28 mounting nut and .050" dia. tinned copper leads with hooked ends. MFT has 1/4" dia. hole and solders to chassis (has No. 16 leads). Tolerance; *±20%; †−20 to +50%; §±10%; ‡GMV (guaranteed minimum value). Av. shpg. wt., 2 oz.

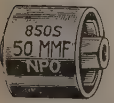
TYPE FT

Stock No.	Type	Mmf	EACH
11 U 390	FT- 500	* 500	.75
11 U 391	FT-1000	*1000	
11 U 392	FT-1500	†1500	
11 U 394	FT-2300	†2300	

TYPE MFT MINIATURES

11 U 488	MFT-50	§ 50	.30
11 U 489	MFT-100	§ 100	
11 U 490	MFT-500	* 500	
11 U 491	MFT-1000	‡1000	

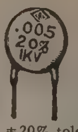
850S TRANSMITTING CAPACITORS



Ideal for RF power circuits. Silver electrodes fired to ceramic. *Zero temp. coeff. †Based on 30° temp. rise. 850 types are ±10% tolerance; 858, ±20%, Hex studs 1/8" long, 6-32 thread. 2 oz.

Stock No.	Mfr's Type	Mmf	WVDC	†RF Load 30 Mc	EACH
11 U 100	850S-25Z*	25	7500	7 amps	2.70
11 U 101	850S-50Z*	50	7500	10 amps	
11 U 104	850S-100N	100	5000	9.8 amps	
11 U 107	858S-500	500	5000		
11 U 108	858S-1000	1000	5000		

SERIES DD DISC CERAMICS



For circuitry requiring high capacity, low inductance and reliable performance. Offer higher dielectric constants, greater breakdown voltages and higher capacities in less space than similarly rated paper or mica capacitors. No. 22 tinned copper leads. ±20% tolerance, except *±10%, and †guaranteed minimum value. Withstand extreme temperature, humidity and vibration. Av. shpg. wt., 2 oz.

DD 1000 VOLTS

Stock No.	Mfr's Type	Mmf	Stock No.	Mfr's Type	Mmf
11 U 407	050†	5	11 U 429	331*	330
11 U 409	100*	10	11 U 430	391*	390
11 U 410	150*	15	11 U 431	471*	470
11 U 411	200*	20	11 U 432	501*	500
11 U 525	220*	22	11 U 433	561*	560
11 U 412	250*	25	11 U 434	681*	680
11 U 527	270*	27	11 U 435	751*	750
11 U 413	330*	33	11 U 437	102*	1000
11 U 415	470*	47	11 U 707	102G†	1000
11 U 416	500*	50	11 U 438	152*	1500
11 U 417	560*	56	11 U 403	182*	1800
11 U 418	680*	68	11 U 439	202†	2000
11 U 420	101*	100	11 U 542	222†	2200
11 U 421	121*	120	11 U 406	252†	2500
11 U 422	151*	150	11 U 440	302†	3000
11 U 423	181*	180	11 U 600	332†	3300
11 U 424	201*	200	11 U 441	472	4700
11 U 425	221*	220	11 U 037	502*	5000
11 U 426	251*	250	11 U 605	682†	6800
11 U 427	271*	270	11 U 442	5022	5000
11 U 428	301*	300	11 U 615	103†	1000
			11 U 106	1032	10,000

All Types except 103 and 1032.... Each .15
Type 103 and 1032.................. Each .24

DD16—1600 VOLTS AND DD30—3000 VOLTS

Stock No.	Mfr's Type	Mfd	WV DC	EACH
11 U 371	502†	.005	1600	.27
11 U 375	103†	.01	1600	.27
11 U 614	101	.0001	3000	.24
11 U 621	501	.0005	3000	.24
11 U 622	102	.001	3000	.30
11 U 626	502	.005	3000	.30

DD60 6000 VOLTS

Stk. No.	Type	Mmf	Stk. No.	Type	Mmf
11 U 680	100	10	11 U 486	501	550
11 U 468	500	50	11 U 683	751	700
11 U 473	101	100			

EACH.......................................36

11 U 445	102	1000	11 U 448	202	2000

EACH.......................................60

TYPE CE DISC CERAMICS

Disc ceramics with exceptional stability through extended temperature range. Specially engineered for applications requiring minimum capacity change as temperature varies from −55°C to +85°C. Phenolic vacuum insulation impregnated with high melting point wax. All 500 WVDC. Life test: 1000 hours at 1000 volts at +85°C. Leakage resistance: initial, 10,000 megohms minimum; after humidity, over 100 megohms. Power factor: 2% maximum at 1 KC. Tolerance: ±10%. 1½" minimum lead length. All 5/32" thick. *19/64" dia.; †55/64" dia. No. 22 tinned copper leads. Capacities from 150 to 1000 mmf. Av. Shpg. wt., 1 oz.

Stock No.	Type CE	Mmf	EACH
10 U 873	151*	150	.18
10 U 874	221*	220	.18
10 U 875	331*	330	.18
10 U 876	471*	470	.18
10 U 877	501*	500	.18
10 U 878	561*	560	.18
10 U 879	681†	680	.18
10 U 889	751†	750	.18
10 U 890	801†	800	.18
10 U 891	102†	1000	.18

UK "ULTRA-KAP" MINIA

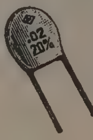
DISC CAPACITORS

- Perfect for Transistor Circuitry
- Outperform Standard Electroly

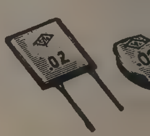
Type UK and UK10 micro-miniatur
iature ceramic disc capacitors engin
cifically for by-pass and coupling in
circuits. Will outperform electrolyti
lar capacitance values due to extr
dissipation factor. Double Durez
with high temperature wax imp
withstands extreme temperature,
and vibration. UK10 series prin
portable radios. *Micro-miniature "
size with #26 tinned copper leads,
length. Other Ultra-Kaps, #22 tinn
leads, 1½" min. length. UK types,
UK10 types, 10 WVDC. Toleranc
80%. Guaranteed minimum value.
wt., 2 oz.

Stock No.	Type	Mfd	Dia.
11 U 286	UK-502*	.005	1/8"
11 U 297	UK-103*	.01	1/8"
11 U 299	UK-203*	.02	1/8"
11 U 701	UK-104	.1	3/16"
11 U 293	UK-224	.22	1/4"
11 U 294	UK-474	.47	3/8"
11 U 295	UK-105	1.0	9/16"
11 U 296	UK-225	2.2	3/4"
11 U 702	UK10-503	.05	1/4"
11 U 703	UK10-104	.1	3/8"
11 U 704	UK10-204	.2	9/16"
11 U 705	UK10-474	.47	3/4"

LOW-VOLTAGE CAPACIT



DA



DDA, CK

Extremely compact, high-capacity, lo
ceramic capacitors. Have durable
resin insulation. Designed especially
sistor circuits and other subminiatu
cations. Resist effects of heat, mois
vibration. Av. shpg. wt., 2 oz.

Type DA: 1/2x1/2x3/16" thick. Toleran
to +100%. Rated to 30 WVDC.

Type DDA: All measure 5/8" diame
thick. Tolerance −30% to +80%. R
WVDC.

Type DM: 17/32x7/32x7/64" thick. To
−20% to +50% and † −20% to
Rated at 150 WVDC.

Type CK: diameter as indicated; 5
Tolerance −20 to +80%. Rated at 5

TYPE DA

Stock No.	Type	Mfd
11 U 627	203	.02
11 U 628	503	.05
11 U 629	104	.1

TYPE DDA

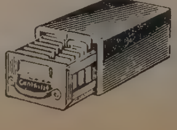
11 U 630	503	.05
11 U 631	104	.1

TYPE DM

11 U 636	102*	.001
11 U 637	202*	.002
11 U 638	302†	.003
11 U 639	502†	.005
11 U 640	103†	.01

TYPE CK

Stock No.	Type	Mfd	Dia.
11 U 642	502	.005	3/8"
11 U 643	103	.01	3/8"
11 U 644	203	.02	9/16"
11 U 645	253	.025	9/16"
11 U 646	303	.03	9/16"
11 U 647	503	.05	5/8"
11 U 648	104	.1	5/8"

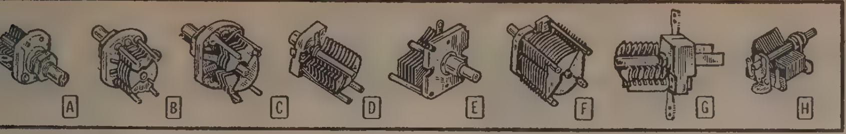


DDK-200 CERAMIC CAPACITOR KIT

Ceramic disc capacitors; primarily intended for by-pass a
ling or filter service. Consists of 200 Type DD disc ceramics,
WVDC unless otherwise specified. 5 each—5, 10, 25, 33, 4
120, 150, 180, 220, 250, 270, 300, 330, 390, 470, 500, 680, 15
4700, 10,000 (600 v.) mmf. 10 each—100, 200 mmf. 15 o
1000, 5000 20,000 (600 v.) mmf. 20 of each—10,000 mmf.
size, 4x6x11 . Shpg. wt., 6 lbs.
18 U 912 *$5 Monthly*..

Variable and Fixed Capacitors, Trimmers

E. F. JOHNSON CAPACITORS



- Rugged
- Compact
- Stable
- Dependable
- Low Cost

TYPE M MINIATURE VARIABLES

ge-type stator terminal provides low in-
ance; oversize bearing, heavily anchored
r supports insure rigidity. ¾x⅝″ panel
space, ¼″ hole. Slotted shaft takes 3/16″
, 1250 v. approx. peak break-down. Low-
steatite insulation. Nickel-plated. 2 oz.

A SINGLE SECTION

ock No.	Mfr's Type	Max. Mmf	Min. Mmf	No. of Plates	EA.
U 758	160-102	5.0	1.5	5	.90
U 759	160-104	8.7	1.8	9	.95
U 760	160-107	14.2	2.3	15	1.00
U 761	160-110	19.6	2.7	21	1.10
U 766	160-130	32	3	28	1.20

B BUTTERFLY

U 763	160-205	5.1	1.8	9	1.30
U 764	160-208	8.0	2.2	16	1.45
U 765	160-211	10:8	2.7	22	1.60

C DIFFERENTIAL

U 767	160-303	5.0	1.5	5	1.25
U 768	160 305	8.7	1.8	9	1.45
U 770	160-311	19.6	2.7	21	1.85

D TYPE S VARIABLES

Compact and rugged 850 v. peak rating. Slotted hex-nut shaft. Panel space 2 9/32x2 5/32″, 1 11/16″ behind. Two 4-40 mtg. holes. 1 lb.

Stock No.	Mfr's Type	Mmf Max-Min	No. of Plates	EACH
13 U 771	148-1	15-2.3	6	1.00
13 U 772	148-2	25-2.6	10	1.05
13 U 773	148-3	35-2.9	14	1.10
13 U 774	148-4	50-3.2	19	1.15
13 U 776	148-6	100-4.5	38	1.30

TYPE L VARIABLES

Extremely stable; vibration- and shock-proof. 1500 v. peak rating. Panel space 1⅜″ sq., behind. ¼″ shaft. Wt., 1 lb.

E SINGLE END PLATE

13 U 777	167-1	11-2.8	3	1.85
13 U 778	167-2	27-3.5	7	2.00
13 U 779	167-3	51-4.6	13	2.20
13 U 780	167-4	75-5.7	19	2.40

F BUTTERFLY

13 U 781	167-21	10.5-2.8	5	2.25
13 U 782	167-22	26-4.3	12	2.65
13 U 783	167-23	51-6.8	23	3.25

H TYPE R VARIABLES

Extra-heavy rugged construction. Panel c
base mtg. Panel space 1 11/16x1⅝″, up to 2⅛
behind. 1200 v. peak. 1 lb.

Stock No.	Mfr's Type	Mmf Max-Min	No. of Plates	EAC
13 U 754	149-3	50- 6.5	7	2.70
13 U 756	149-5	102- 8.5	14	3.00
13 U 757	149-6	140-13.5	19	3.30

G TYPE U SUBMINIATURE VARIABLE

Tiny high-quality capacitors. Require onl
7/16″ sq. panel space, up to ¾″ behind. Offe
high Q and low temp. coeff. 850 v. peak break
down except * 1300 volts. Equipped with 5/16
terminals for wiring into circuit or for printe
circuit board mounting. Shpg. wt., 4 oz.

13 U 697	189-1	3.5-1.2	4	.60
13 U 698	189-2	5.4-1.3	6	.63
13 U 699	189-3	7.3-1.4	8	.65
13 U 700	189-4	9.1-1.5	10	.68
13 U 701	189-5	11 -1.7	12	.70
13 U 702	189-6	13 -1.8	14	.72
13 U 703	189-26*	4.1-1.3	6	.72
13 U 750	189-7	15 -2	16	.74
13 U 751	189-8	17 -2.2	18	.76

TRIMMERS AND PADDERS

NDARD TRIMMERS, ¾″x⅝″

ock No.	Min. Mmf	Max. Mmf	EACH
518	1.5	15	.20
511	2.7	30	.20
512	5.0	80	.23
513	9.0	180	.24
514	25	280	.27
515	50	380	.29
516	80	480	.32
517	110	580	.36
519	140	680	.39
520	170	780	.42

IDGET TRIMMERS, ⅜″x¾″

077	1	12	.20
078	2	25	.20
079	4	40	.23
080	7	100	.24
081	16	150	.27
082	24	200	.29
083	37	250	.32
084	55	300	.36
085	70	350	.39
086	90	400	.42

IATURE TRIMMERS, ⅜x9/16″

087	0.9	7	.20
088	1.5	20	.23
089	4	40	.24
090	8	60	.27

Capacitors for a Variety of Applications

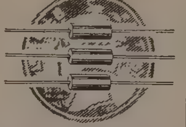
Treated to resist humidity and changes of capacity settings. Low-loss ceramic base. Adjusting plates rigidly constructed—permits bending soldering lugs without affecting capacity. Screwdriver adjustment. Ranges from 3 turns open to tight setting. 17/32″ mtg. ctrs. Av. wt., 2 oz.

PADDERS, ⅞x15/16″

Stock No.	Min. Mmf	Max. Mmf	EACH
17 U 093	15	130	.39
17 U 094	65	340	.42
17 U 095	115	550	.44
17 U 096	190	760	.49
17 U 097	275	970	.54
17 U 098	350	1180	.59
17 U 099	450	1390	.62
17 U 100	550	1600	.67
17 U 101	650	1890	.72
17 U 102	780	2110	.76
17 U 103	880	2330	.81
17 U 104	1150	2605	.86
17 U 106	1400	3055	.96

NYTRONICS CERAMIC "DECI-CAPS" CAPACITOR

CI-CAPS." New ultra-miniature ce-
capacitors. All in .250x.100″ dia. rug-
poxy molded envelope (¼-watt resis-
ze). Standardized size permits high-
ty cordwood packaging on printed
t boards. Feature high stability—
han 7½% capacitance change over
C to +125° C operating range. ±10%
All listings below are rated at 200
C, except *which is rated at 100
C. Av. shpg. wt., 1 oz.



ck o.	Mfr's Type	Mmf	EACH
026	DC-056K	5.6	.40
027	DC 068K	6.8	
028	DC-028K	8.2	
029	DC-100K	10	
030	DC-120K	12	
031	DC-150K	15	.40
032	DC-180K	18	
033	DC-220K	22	
034	DC-270K	27	
035	DC-330K	33	
036	DC-390K	39	
037	DC 470K	47	.37
038	DC-560K	56	
039	DC-680K	68	

Stock No.	Mfr's Type	Mmf	EACH
18 U 040	DC-820K	82	.37
18 U 041	DC-101K	100	
18 U 042	DC-121K	120	
18 U 043	DC-151K	150	
18 U 044	DC-181K	180	
18 U 045	DC-221K	220	.37
18 U 046	DC-271K	270	
18 U 047	DC-331K	330	
18 U 048	DC-391K	390	
18 U 049	DC-471K	470	.37
18 U 050	DC-561K	560*	.37
18 U 051	DC-681K	680*	.37
18 U 052	DC-821K	820*	.37
18 U 053	DC-102K	1000*	.40

ARCO-ELEMENCO CAPACITORS

"DUR-MICA" SILVERED MICA CAPACITORS

Special resin coating resists extreme humidity and moisture. Temperature range, −55°C to +150°C without derating. For use in delay lines, computers, general-purpose commercial-industrial equipment. Close temperature coefficient—near NPO. Capacitance tolerance: ±5%, except *±0.5 mmf. Sizes: DM-15, 7/16x11/32x5/32″ to 7/32″ deep; DM-19, ⅝x15/32x5/32″ to 7/32″ deep; DM-30, 25/32x29/32x7/32″ to 9/32″ deep. All are 500 WVDC, except †300 WVDC. Wt., 2 oz.

Stock No.	Type DM-	Mmf	EA.
10 U 716	15-010M*	1	.15
10 U 717	15-020M*	2	
10 U 718	15-030M*	3	
10 U 719	15-050K	5	
10 U 720	15-100J	10	
10 U 721	15-120J	12	.17
10 U 722	15-150J	15	
10 U 724	15-200J	20	
10 U 725	15-220J	22	
10 U 727	15-270J	27	
10 U 728	15-300J	30	.17
10 U 729	15-330J	33	
10 U 731	15-390J	39	
10 U 733	15-470J	47	
10 U 734	15-500J	50	.17
10 U 738	15-680J	68	
10 U 739	15-750J	75	
10 U 740	15-820J	82	
10 U 742	15-101J	100	
10 U 744	15-121J	120	.20
10 U 746	15-151J	150	.20
10 U 748	15-181J	180	.23

Stock No.	Type DM-	Mmf	EA.
10 U 749	15-201J	200	.23
10 U 750	15-221J	220	.26
10 U 752	15-251J	250	.26
10 U 753	15-271J	270	.30
10 U 754	15-301J	300	.30
10 U 755	15-331J	330	.33
10 U 756	15-361J	360	.33
10 U 757	15-391J	390	.37
10 U 759	15-471J†	470	.40
10 U 760	15-501J†	500	.40
10 U 761	15-511J†	510	.40
10 U 762	15-561J†	560	.43
10 U 764	15-681J†	680	.50
10 U 765	15-751J†	750	.53
10 U 766	15-821J†	820	.56
10 U 770	19-102J	1000	.46
10 U 772	19-122J	1200	.50
10 U 774	19-152J	1500	.57
10 U 777	19-202J	2000	.73
10 U 780	19-252J	2500	.89
10 U 822	30-103J	10K	1.98

CM MOLDED SILVERED MICAS

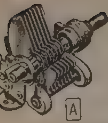
Tiny capacitors in low-loss phenolic cases. 500 WVDC except †300 WVDC and *100 WVDC. Color-coded. Middle letter of Mfr's
type shows temperature coefficient as well as capacitance drift (deviation
from original value after temperature cycling). Letter C, ±200 parts/
million/°C ±0.5% capacitance drift; letter D, ±100 parts; ±0.3%
capacitance drift; letter E, −20, +100 parts ±(0.1% +0.1 mmf) drift.
Letter J indicates ±5% tolerance. CM-15, 9/32x½x3/16″; CM-20, 7/16x7/32x
1 1/16 (‡2 5/32)″; CM-30, 13/16x13/16x9/32″; CM-35, 13/16x13/16x11/32″. 2 oz.

Stock No.	Type CM-	Mmf	EA.
10 U 427	15-C 050J	5	.18
10 U 428	15-C-100J	10	
10 U 436	15-C-150J	15	
10 U 438	15-C-200J	20	
10 U 469	15-E-330J	33	.18
10 U 473	15-E-470J	47	
10 U 474	15-E-500J	50	
10 U 480	15-E-680J	68	
10 U 497	15-E-101J	100	
10 U 499	15-E-121J	120	.21
10 U 515	15-E-151J	150	.21
10 U 518	15 E-201J	200	.24
10 U 519	15-E-221J	220	.27
10 U 543	15-E-251J	250	.27
10 U 544	15-E-271J	270	.30
10 U 545	15-E-301J	300	.30

Stock No.	Type CM-	Mmf	EA.
10 U 546	15-E-331J	330	.33
10 U 548	15-E-391J	390	.39
10 U 554	15 E-471J	470	.42
10 U 555	15-E-501J	500	.42
10 U 566	20-D-681J	680	.36
10 U 568	20-D-821J	820	.39
10 U 583	20 E-102J	1000	.42
10 U 587	20-E-152J	1500	.51
10 U 594	20-E-202J	2000	.66
10 U 422	20-E-252J	2500	.78
10 U 619	20-E-332J‡	3300	.96
10 U 623	20-E-472J‡	*4700	1.20
10 U 624	20 E-502J‡	*5000	1.26
10 U 639	30-E 562J	5600	1.26
10 U 641	35-E-682J†	6800	1.32
10 U 645	35-E-103J†	10000	1.86

Variable Capacitors

HAMMARLUND CAPACITORS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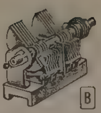
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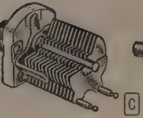
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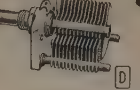
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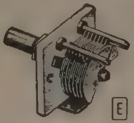
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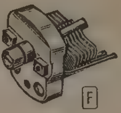
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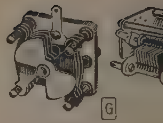

G

TYPE MC

A Versatile single section tuning capacitors. Have siliconized steatite base, nickel-plated bra plates. Panel or chassis mtg. *Straight-line capacity characteristic; others have mid-line characteristic. Nominal air gap: Single-spaced M and S types, .0245"; wide-spaced SX types, .0715". Tested at 1000 v. and 1750 v. (60 cycle rms) respectively. Capacity increases with clockwise rotation. Continuous rotation. Size: S type, 1¹¹⁄₁₆x 1¹¹⁄₁₆"; M type, 1⅝x2³⁄₃₂". Shpg. wt., 10 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	EACH
13 U 666	*MC-20-S	20	5.5	2.40
13 U 667	*MC-35-S	35	6.0	2.45
13 U 663	MC-50-M	50	6.3	2.55
13 U 668	*MC-50-S	50	6.5	2.60
13 U 664	MC-75-M	80	7.3	2.75
13 U 670	*MC-75-S	80	8.0	2.85
13 U 672	*MC-100-S	100	8.3	2.95
13 U 673	MC 100 M	100	7.7	2.90
13 U 674	MC-140-M	140	9.0	3.00
13 U 675	*MC 140 S	140	10.0	3.15
13 U 676	MC-200-M	200	10.3	3.40
13 U 677	MC-250-M	250	12.0	3.70
13 U 678	MC 325-M	320	13.5	4.20

TYPE MCD DUALS

B Designed for single hole panel-mounting. Require only 3¹¹⁄₃₂" in length behind panel. Steatite base; nickel plated brass plates. Tested at 1000 v. Exhibit same features as Type MC, above; have terminals on both sides. Have mid-line characteristic. Size opened, ⅝x 2³⁄₃₂". Shpg. wt., 11 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	EACH
13 U 665	MCD-35-MX	31	6.0	7.85
13 U 669	MCD 35 SX	31	6.8	7.50
13 U 687	MCD-50 M	50	5.5	7.25
13 U 690	MCD 100-M	100	6.3	7.85
13 U 671	MCD-100 S	100	7.0	7.50
13 U 695	MCD 140-M	140	7.8	8.35

TYPE MAPC

C Midget padding, trimming and general-purpose capacitors. Similar to APC, but smaller. Ideal for small space applications. Gap, .0135". Rotors and stators are nickel-plated brass. Nickel-plated beryllium copper wiper contact. Tapped brass studs permit mounting without grounding rotor. Tested at 848 volts peak. ²⁵⁄₃₂" wide, ¹⁵⁄₁₆" high. 4 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf	EACH
13 U 584	MAPC-15	15	2.3	1.00
13 U 585	MAPC-25	25	2.6	1.05
13 U 586	MAPC-35	35	2.9	1.10
13 U 587	MAPC-50	50	3.2	1.15
13 U 588	MAPC-75	75	3.9	1.20
13 U 589	MAPC-100	100	4.5	1.30

TYPE HFA

D Sturdy capacitors, similar to HF, but larger plates and wider air gaps. For general-purpose and transmitting applications. Single-hole panel mounting. Also bracket for base mounting. End letter A in type no. denotes .02" air gap, B—.03"; 800 and 1200 test volts respectively. 1¹⁹⁄₆₄x1⁷⁄₃₂". Shpg. wt., 1 lb.

13 U 643	HFA-15B	16	2.8	2.20
13 U 644	HFA-25B	25	3.0	2.30
13 U 645	HFA-50B	50	4.3	2.50
13 U 646	HFA-100B	100	7.5	3.90
13 U 597	HFA-100A	102	4.5	2.75
13 U 598	HFA-140A	145	6.0	2.95
13 U 688	HFA-200-A	200	8.0	3.70

TYPE MAC

(Not illustrated.) Extremely small variable capacitors. Excellent for use as VHF trimmers. Steatite base; only ¾x⅝". Screwdriver adjustment. Have threaded sleeve. 4 oz.

13 U 659	MAC-5	5.4	1.3	.90
13 U 660	MAC-10	9.6	1.5	.95
13 U 661	MAC-15	15.8	1.9	1.00
13 U 662	MAC-20	21.5	2.2	1.10
13 U 689	MAC-30	32	2.5	1.20

TYPE HF

E Ideal for critical high-frequency
Isolantite insulation. *Double-space
1⁹⁄₃₂x1⁵⁄₁₆";. Shpg. wt., 6 oz.

Stock No.	Mfr's Type	Max. Mmf	Min. Mmf
13 U 590	HF-15	17.5	2.8
13 U 591	HF-35	36	3.2
13 U 592	HF-50	52	3.7
13 U 593	HF-100	102	5.3
13 U 594	HF-140	142	6.3
13 U 595	*HF-15-X	15	3.6
13 U 596	*HF 30-X	30	5.2

TYPE APC

F Isolantite base. Screwdriver or hex-
adjust. 1⁷⁄₃₂x¹⁵⁄₁₆". Wt., 4 oz.

13 U 654	APC-25	25	3.0
13 U 655	APC-50	50	3.9
13 U 656	APC-75	75	4.6
13 U 657	APC-100	100	5.5
13 U 658	APC-140	140	6.7

BFC BUTTERFLY TYPE

G Straight-line capacity type; 90° m
to maximum. Spacing .03". Tested
v. rms., 60 cycles between rotor and each
Tapped (6-32 thread) studs in steati
permit mounting capacitor without gr
the rotor. Silver contact. 1⅜x1⅜". W

12 U 601	BFC-12	14.5	3.4
12 U 602	BFC-25	27.3	4.8
12 U 603	BFC-38	40.1	6.2

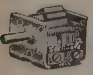
TYPE RMC

H For applications requiring very ri
type capacitor. Heavy gauge alumin
panels with aluminum tie rods. Plat
same as MC type above left. Shpg. wt

13 U 680	RMC-50 S	50	7.3
13 U 681	RMC-100-S	105	9.5
13 U 683	RMC-140-S	143.5	11.0
13 U 685	RMC-325-S	327	17.5

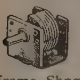
RECEIVER-TYPE CAPACITORS AND ACCESSORIES

MIDGET SUPERHET AND TRF TYPES



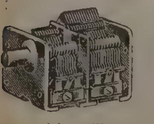
Midget Superhet. Miniature size without sacrifice of performance makes these 2-gang variables perfect for portable and midget sets. Capacity: RF section, 14.5 to 368 mmf, 27 plates; osc. section, 11.6 to 136.6 mmf, 15 plates. Capacity increases with counter-clockwise rotation. For use with 455 kc IF. With trimmers. Size, 1¹¹⁄₁₆x1½x1⁵⁄₁₆". ¼" diameter shaft extends 1" beyond frame. Ball-bearing mounted shaft. Shpg. wt., 6 oz.
13 U 523.......................1.41

Miniature Superhet. RF section is 10.8 mmf to 232.4 mmf. Oscillator section is 8.5 mmf to 106.3 mmf. 1⁵⁄₁₆x1⅜x1³⁄₁₆". 5 oz.
12 U 605.......................95



Midget TRF. Compact, 33-plate, single-gang capacitor. Variable from 15 to 409 mmf. Capacity increases clockwise. Size: 1³⁄₁₆" deep, 1⅜" wide, 1⁵⁄₁₆" high. ¼" diameter shaft extends ¾" beyond capacitor frame. Shpg. wt., 5 oz.
13 U 524.......................1.02

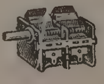
CAPACITOR AND MATCHING COIL



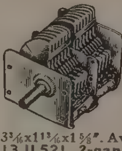
2-Section Superhet Variable. 19-plate oscillator section with 172.6 max.—10.6 min. mmf; has one 2-17 mmf trimmer. 27-plate RF section with 434 max. to 14.5 min. mmf; has one 2-17 mmf trimmer. Provides 455 kc difference with oscillator coil listed below. Capacity increases with CCW rotation. Overall size, 1⅝x1¹³⁄₁₆x2³⁄₁₆". Shaft, ¼x¾". 10 oz.
13 U 529.......................1.52

Oscillator Coil. For above. Shpg. wt., 4 oz.
13 U 504.......................36

TRF CAPACITORS

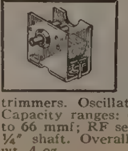


2-Gang. For use in superhets without RF stage or in 2-stage TRF receivers. Each section has 29 plates. Range, 15.5 to 467.8mmf, each section. Counter-clockwise rotation increases capacity. With trimmers. End plates slotted for easy tracking adjustments. Spring brass wipers. Take series padder for oscillator use. ⅜" dia. shaft. Requires the use of an extender in order to convert to ¼" shaft. See coil and I.F. section of this catalog for coils. Size, 1⅝x1¹³⁄₁₆x2³⁄₁₆". Wt., 10 oz.
13 U 528.......................1.54



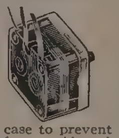
2- and 3-Gang Capacitors. Compact TRF variable capacitors. Have trimmers on side of frame. Outer rotor plates are slotted for tracking adjustment. Tapped holes in frame provide secure mounting. Range: 12 to 367 mmf. Shaft diameter, ⅜". Size of 2-gang: 2³⁄₁₆x 1¹³⁄₁₆x1⅝". Size of 3-gang: 3³⁄₁₆x1¹³⁄₁₆x1⅝". Av. shpg. wt., 6 oz.
13 U 521. **2-gang**.......................1.55
13 U 522. **3-gang**.......................2.31

TRANSISTOR-TYPE CAPACITOR



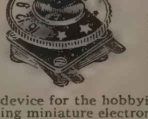
Extremely compact superhet two-section capacitor specially designed for use with broadcast band transistorized receivers, small table models and portables. Capacity increases with counterclockwise rotation. With trimmers. Oscillator section for 455-kc IF. Capacity ranges: oscillator section—7.2 mmf to 66 mmf; RF section—7.5 mmf to 81 mmf. ¼" shaft. Overall size, 1⅜x1³⁄₁₆x¹⁵⁄₁₆". Shpg. wt. 4 oz.
13 U 526.......................1.35

MINIATURE 2-GANG CAPACI



The perfect 2-gang
tuning capacitor for
date miniature tube
sistor circuitry; also
a direct replacement f
units used in current
size transistor receive
both foreign and d
models. Completely e
in clear polyethylene
case to prevent capacitance changes r
from accidental damage to plates. Plate
through a full 180° arc. Maximum capa
use in antenna section is 148.1 mmf, ma
in oscillator section, 65.2 mmf. Trim
pacity is variable to over 6 mmf. T
adjustments may be made at back of un
out need of removing it from case. Ent
is only ¾" square by ⁷⁄₁₆" deep. Sh
4 oz.
17 U 092.......................

MINIATURE SINGLE SECTIO
TUNING CAPACITOR WITH D

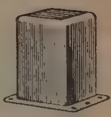


Miniature singl
capacitor for use i
broadcast band
perimental rec
transmitters, sign
erators, wave tra
many other units
variable capacita
needed—ideal for
tor circuits. An e
device for the hobbyist or experimente
ing miniature electronic instruments. C
variable from 10 to 365 mmf. Has 1¼
eter, clear plastic tuning dial with mille
Calibrations in silver numerals, read fr
to 1600 kc. Full 180° rotation. Small, c
unit is perfect for use where space is a
mium. Unit size only 1" square by
with ¼" shaft. Shpg. wt., 5 oz.
17 U 091.......................

Knight Transformer Cross Reference

here is a Knight transformer for every require-
ent. Made in the U.S.A. to Allied's specifi-
tions—offer savings at no sacrifice in quality,
liability, or performance.

Find transformer you have been using listed in the chart. Then order Knight replacement by Stock No. Page references indicate where transformer price and specifications are shown.



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ncor No.	Knight Stock No.	Page	Stancor Type No.	Knight Stock No.	Page	Stancor Type No.	Knight Stock No.	Page	Stancor Type No.	Knight Stock No.	Page	Stancor Type No.	Knight Stock No.	Page
C	61 U 458	280	A-8102	61 U 422	280	P-1834-3	62 U 083	280	PC-8405	61 U 466	279	TA-5	64 U 151	281
C	61 U 415	280	A-8103	61 U 450	280	P-3060	62 U 319	278	PC-8406	61 U 413	279	TA-10	64 U 150	281
	62 U 062	280	A-8104	61 U 451	280	P-3062	62 U 028	278	PC-8407	61 U 470	279	TA-11	62 U 336	281
C	61 U 460	280	A-8105	62 U 081	280	P-3064	62 U 325	278	PC-8408	61 U 472	279	TA-12	62 U 337	281
50	61 U 454	278	C-1001	62 U 139	280	P-4019	61 U 477	278	PC-8409	61 U 429	279	TA-16	64 U 152	281
04	64 U 115	280	C-1002	62 U 138	280	P-4089	64 U 134	278	PC-8410	61 U 430	279	TA-18	62 U 355	281
11	64 U 114	280	C-1003	62 U 137	280	P-5014	62 U 324	278	PC-8411	61 U 431	279	TA-19	62 U 372	281
27	61 U 449	278	C-1080	61 U 407	280	P-5015	62 U 327	278	PC-8412	61 U 414	279	TA-20	62 U 357	281
28	61 U 400	278	C-1279	62 U 136	280	P-5016	62 U 329	278	PC-8414	61 U 473	279	TA-21	62 U 358	281
29	62 U 093	278	C-1410	62 U 346	280	P-6133	61 U 478	278	PC-8418	61 U 461	279	TA-22	62 U 373	281
30	61 U 445	278	C-1411	62 U 347	280	P-6134	61 U 419	278	PC-8419	61 U 463	279	TA-23	62 U 359	281
32	61 U 401	278	C-1412	63 U 991	280	P-6139	62 U 330	278	PC-8420	61 U 465	279	TA 24	62 U 374	281
37	61 U 446	278	C-1420	61 U 488	280	P-6160	61 U 490	279	PM-8401	62 U 034	279	TA-25	62 U 360	281
00	63 U 998	280	C-1421	61 U 486	280	P-6308	61 U 418	278	PM-8402	62 U 503	279	TA-26	62 U 361	281
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22	61 U 404	278	C-1706	62 U 135	280	P-6358	63 U 705	279	PM-8404	61 U 444	279	TA-28	62 U 376	281
23	62 U 021	278	C-1707	61 U 408	280	P-6375	62 U 351	279	PM-8405	62 U 509	279	TA-30	62 U 377	281
24	61 U 453	278	C 1708	61 U 487	280	P-6376	62 U 352	279	PM-8406	62 U 041	279	TA-31	62 U 378	281
31	63 U 999	280	C-1709	61 U 485	280	P-6377	62 U 353	279	PM-8407	62 U 528	279	TA-33	62 U 363	281
33	61 U 491	280	C-1710	61 U 484	280	P-6378	62 U 354	279	PM-8408	62 U 532	279	TA-34	62 U 386	281
37	61 U 978	280	C-2303	62 U 344	280	P-6410	61 U 426	279	PM-8409	62 U 043	279	TA-35	62 U 387	281
50	61 U 452	278	C-2304	61 U 482	280	P-6415	62 U 563	279	PM-8410	62 U 044	279	TA 38	62 U 390	281
52	62 U 022	278	C-2309	61 U 483	280	P 6432	62 U 321	278	PM-8411	62 U 045	279	TA 39	62 U 365	281
56	62 U 023	278	C-2325	61 U 481	280	P-6433	63 U 714	278	PM-8412	62 U 033	279	TA-41	62 U 367	281
57	61 U 456	278	C-2326	61 U 479	280	P-6456	62 U 325	278	PM-8419	62 U 504	279	TA-42	62 U 368	281
76	61 U 402	278	C-2327	61 U 406	280	P-6465	61 U 416	278	PM-8420	62 U 507	279	TA-43	62 U 369	281
77	61 U 403	278	C-2328	61 U 405	280	P-6466	62 U 031	278	PM-8423	62 U 519	279	TA-44	62 U 370	281
78	61 U 441	280	C-2334	62 U 345	280	P-6467	61 U 475	278	PS-8415	61 U 410	279	TA-45	62 U 371	281
79	61 U 448	278	C-2343	64 U 703	280	P-6469	61 U 421	278	PS-8416	62 U 008	279	TA-46	62 U 391	281
83	61 U 424	280	C-2344	61 U 480	280	P-6492	62 U 322	278	RT-201	62 U 331	279	TA-47	62 U 356	281
44	61 U 492	280	C-2345	62 U 350	280	P-8130	61 U 420	278	RT-202	62 U 332	279	TA-52	64 U 174	281
52	63 U 983	280	C-2346	62 U 349	280	P-8190	62 U 323	278	RT-204	62 U 333	279	TA-54	64 U 180	281
47	61 U 425	280	C-2685	62 U 343	280	P-8191	63 U 715	278	RT-206	62 U 334	279	TA-56	64 U 147	281
49	61 U 443	280	C-2686	62 U 342	280	P-8196	63 U 988	281	RT-208	62 U 335	279	TA-57	64 U 149	281
53	62 U 395	278	C-2687	63 U 996	280	PA-8421	61 U 411	279	TA-1	64 U 146	281	TA-58	64 U 153	281
56	62 U 397	278	C-2688	62 U 341	280	PC-8401	61 U 427	279	TA-2	62 U 338	281	TA-59	64 U 165	281
90	61 U 493	280	C-2689	63 U 997	280	PC-8402	61 U 462	279	TA-3	62 U 339	281	TA-61	63 U 986	281
94	61 U 457	278	C-2704	63 U 993	280	PC-8403	61 U 464	279	TA-4	62 U 340	281	TP-1	63 U 987	281
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4	61 U 492	280	21F11	64 U 134	278	24R11U	61 U 461	279	24S46	61 U 425	280	TR-7	62 U 387	281
6	61 U 458	280	21F21	61 U 416	278	24R12	62 U 504	279	24S47	61 U 443	280	TR-10	64 U 180	281
8	61 U 415	280	21F25	62 U 326	278	24R12U	61 U 463	279	24S48	61 U 400	278	TR-11	62 U 373	281
2	61 U 491	280	21F28	62 U 330	278	24R13	61 U 444	279	24S49	62 U 093	278	TR-12	62 U 372	281
5	62 U 062	280	21F31	61 U 478	278	24R13U	61 U 412	279	24S50	61 U 402	278	TR-17	64 U 180	281
3	61 U 460	280	21F33	62 U 322	278	24R19	62 U 503	279	24S51	61 U 403	278	TR-23	62 U 386	281
0	62 U 343	280	21F37	61 U 474	278	24R19U	61 U 462	279	24S52	61 U 448	278	TR-24	62 U 391	281
1	62 U 342	280	21F41	61 U 477	278	24R20	62 U 509	279	24S53	61 U 401	278	TR-26	62 U 374	281
3	62 U 341	280	21F42	64 U 134	278	24R20U	61 U 466	279	24S57	61 U 455	278	TR-34	62 U 355	281
3	61 U 489	280	21F43	61 U 418	278	24R27	61 U 473	279	24S59	61 U 456	278	TR-60	64 U 147	281
7	62 U 135	280	21F45	62 U 327	278	26R31	62 U 507	279	24S71	61 U 422	280	TR-63	64 U 149	281
8	61 U 485	280	21F51	61 U 421	278	26R31U	61 U 465	279	24S72	61 U 450	280	TR-65	64 U 153	281
1	62 U 349	280	21F58	62 U 319	278	26R37	61 U 410	279	24S74	62 U 081	280	TR-66	64 U 165	281
4	61 U 486	280	21F61	62 U 329	278	26R38	61 U 411	279	24S75	61 U 423	280	TR-101	62 U 357	281
4	61 U 483	280	21F72	62 U 325	278	24R58	61 U 471	279	24S85	61 U 445	278	TR-102	62 U 358	281
8	61 U 484	280	21F94	61 U 475	278	24R59	62 U 532	279	24S92	61 U 446	278	TR-103	62 U 359	281
1	61 U 488	280	21F107	62 U 324	278	24R121	62 U 505	279	24S98	61 U 448	278	TR-104	62 U 360	281
4	61 U 408	280	26F60	62 U 323	278	22S03	62 U 024	278	24S99	61 U 449	278	TR-105	62 U 361	281
5	61 U 487	280	26F67	61 U 420	278	22S07	62 U 054	278	23V19	62 U 563	279	TR-106	62 U 375	281
7	61 U 485	280	22R04	62 U 519	279	22S21	61 U 457	278	23V25	61 U 490	279	TR-107	62 U 362	281
3	62 U 346	280	22R39	62 U 008	279	22S35	61 U 446	278	23V45	61 U 426	279	TR-109	62 U 363	281
4	62 U 347	280	22R112	62 U 535	279	22S51	61 U 443	280	23V51	62 U 352	279	TR-111	62 U 365	281
0	61 U 480	280	24R00	62 U 034	279	22S63	62 U 395	278	23V52	62 U 353	279	TR-113	62 U 367	281
1	61 U 406	280	24R00U	61 U 427	279	22S65	62 U 054	278	23V53	62 U 354	279	TR-114	62 U 368	281
7	64 U 703	280	24R01	62 U 041	279	22S67	62 U 397	278	23V60	62 U 331	279	TR-115	62 U 369	281
8	62 U 344	280	24R01U	61 U 413	279	22S84	61 U 443	280	23V61	62 U 332	279	TR-117	62 U 370	281
9	61 U 482	280	24R02	62 U 532	279	22S103	61 U 423	280	23V62	62 U 333	279	TR-118	62 U 371	281
1	62 U 345	280	24R02U	61 U 472	279	24S01	61 U 440	280	23V63	62 U 334	279	TR-119	62 U 356	281
2	61 U 405	280	24R06	62 U 045	279	24S02	62 U 079	280	23V64	62 U 335	279	TR-196	62 U 336	281
3	61 U 458	280	24R06U	61 U 431	279	24S04	62 U 023	278	TR-1	64 U 174	281	TR-258	64 U 150	281
6	61 U 459	280	24R07U	61 U 414	279	24S06	62 U 021	278	TR-2	62 U 377	281	TR-295	64 U 146	281
5	61 U 415	280	24R08	62 U 528	279	24S08	61 U 452	278	TR-3	62 U 378	281	TR-296	62 U 338	281
7	62 U 321	278	24R08U	61 U 470	279	24S12	62 U 022	278	TR-4	62 U 376	281	TR-300	62 U 337	281
9	61 U 419	278	24R09	62 U 506	279	24S45	61 U 424	280	TR-5	62 U 390	281	TR-306	64 U 152	281
0	62 U 031	278	24R09U	61 U 464	279									

knight® Transformers—for Low-Cost Dependabili

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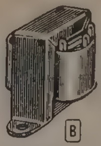
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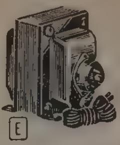
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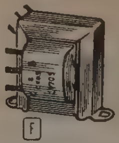
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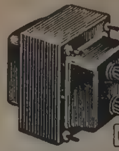


Compare specifications and prices. Allied's own Knight transformers always give you more for your money!

FILAMENT TRANSFORMERS

Primaries, 117 volts, 50-60 cycles. *107 v. tap on primary. All center-tapped, except †. §Has electrostatic shield.

Stock No.	Fig.	V	Amps	Insul., RMS V	Size	Wt., Lbs.	EACH
62 U 319	D	2.5	10.0	10000	3⅜x2⅞x2½"	2¾	6.28
63 U 712	A	2.5*	1.5	2500	1¹¹⁄₁₆x2¹³⁄₁₆x1⁹⁄₁₆"	¾	2.42
63 U 711	F	2.5*	10.0	7500	3⅛x3⁹⁄₁₆x3"	2½	3.49
64 U 132	A	2.5	3.0	1500	1⅝x2¹³⁄₁₆x1⅞"	¾	2.31
61 U 478	F	2.5	5.0	5000	2¾x3⅛x2⅛"	1¾	3.11
61 U 474	H	2.5	10.0	2500	3³⁄₁₆x2⅝x2¹¹⁄₁₆"	2¾	4.42
64 U 133	A	2.5	10.0	3000	2⅜x3¾x2⅜"	1¾	3.82
61 U 475	A	5.0	3.0	2500	2x3¼x2"	1½	2.75
62 U 028	A	5.0	6.0	2500	2⅜x3⅝x2¼"	1¾	3.31
63 U 713	H	5.0*§	3.0	2500	3⅛x2⅝x2⁹⁄₁₆"	2½	4.37
63 U 714	D	5.0§	15.0	2500	3x2½x3"	3	6.26
62 U 320	D	5.0	10.0	2500	3⅛x2½x3"	3½	4.95
62 U 321	D	5.0	21.0	2500	3¾x3⅛x3¼"	5	8.12
62 U 322	C	5.0	30.0	2500	4⅝x3¾x4"	7½	10.19
63 U 715	A	6.3*	1.2	5000	2x3¼x1¼"	1	2.58
63 U 716	F	6.3*†	3.0	7000	3⅛x3⁹⁄₁₆x2¾"	2	4.90
63 U 717	H	2(6.3)†	3.0	1500	3⅛x2⅝x2¹¹⁄₁₆"	2½	5.59
63 U 719	H	6.3	1.75	1500	3⅛x2⅝x3¹⁄₁₆"	3¼	6.48
62 U 323	A	6.3†	1.2	5000	2x3¼x1⅞"	1	2.51
62 U 324	D	6.3	3.0	2500	3⅛x2½x2⅜"	2	4.35
62 U 325	F	6.3	6.0	2000	3⅛x3⁹⁄₁₆x2½"	2½	3.53
62 U 326	D	6.3*	20.0	2500	4⅝x3¾x2⅞"	7¼	9.65
61 U 416	A	6.3	0.6	1500	1⅜x2⅜x1⅝"	½	1.57
62 U 030	A	6.3	1.0	1500	1⅝x2¹³⁄₁₆x1¾"	¾	1.64
61 U 419	A	6.3	1.2	3000	1⅝x2¹³⁄₁₆x1⅞"	¾	1.66
62 U 031	A	6.3	3.0	2500	2x3¼x2⅜"	1½	2.68
61 U 477	H	6.3*§	4.0	2500	3³⁄₁₆x2⅝x2¹¹⁄₁₆"	2¾	4.48
64 U 134	H	6.3	6.0	1500	3⅛x2⅝x2¾"	2½	5.37
61 U 417	D	6.3	6.0	2500	3x2½x2¼"	2½	4.28
61 U 418	D	6.3*	10.0	2500	3⅜x2¹³⁄₁₆x2⅞"	3½	5.21
64 U 135	H	6.3	20.0	2000	3⅞x3⁹⁄₃₂x4⅛"	7	10.10
62 U 327	D	7.5	4.0	2500	3⅛x2½x2¹¹⁄₁₆"	2¾	4.44
62 U 328	D	7.5	8.0	2500	3¾x3⅛x2⅞"	4¼	6.81
62 U 329	D	10.0	4.0	2500	3⅜x2¹³⁄₁₆x2¾"	3½	5.42
62 U 330	D	10.0	8.0	2500	3¾x3⅛x3"	5	7.01
63 U 720	D	10.0*	5.0	2000	3x2½x4¾"	3	4.11
63 U 721	H	10.0	10.0	2000	3⅞x3¼x3⅝"	5¾	7.68
63 U 722	H	11.0*§	10.0	2500	4⅝x3⅞x3⁹⁄₁₆"	6¼	8.72
63 U 723	D	CT at 12-11-10	11.0	pri-1500 sec-3000	4⅛x3⁷⁄₁₆x3⅛"	6½	11.19
63 U 725	H	12.6	2.5	1500	3½x2¹⁵⁄₁₆x3³⁄₁₆"	3¾	6.57
64 U 709	A	12.6	3.0	1500	2⁵⁄₁₆x3¹¹⁄₁₆x2⅜"	1¾	3.75
64 U 136	A	12.6	1.5	1500	2x3¼x2"	1½	3.00
61 U 420	A	12.6	2.0	1500	2x3¼x2¼"	1½	2.71
64 U 137	A	12.6	2.5	1500	2¼x3⅝x2¼"	1¾	4.28
64 U 710	A	24.0	1.0	1500	2x3¼x2"	1½	3.33
61 U 421	A	25.2†	1.0	1500	2x3¼x2⅛"	1½	2.57
64 U 140	A	25.2	2.0	1500	2⅝x4x2⅜"	2½	4.64
61 U 476	A	26.5	0.6	3000	2x3¼x2"	1½	2.46
64 U 145	A	26.8	1.0	1500	2x3¼x2¹³⁄₁₆"	1½	3.00

A STANDARD OUTPUT TRANSFORMERS

Couple plate of output tube to speaker voice coil. For class A amplifiers. §4.5% primary tap. *Fig. F. Shpg. wt. ¾ lb.

Stock No.	Primary		Sec. Imp.	Audio Watts	Size	EACH
	Imp.	Ma				
61 U 401	2000	50	3.2	3	1¼x2⅛x1¼"	1.11
62 U 065	2000	50	3.2	5	1⅜x2⅜x1⅜"	1.09
61 U 445	§2000	60	3.5	5	1⅜x2⅜x1½"	1.62
61 U 402	2000	60	4	5	1⅜x2⅜x1⅜"	1.16
62 U 063	2500	50	3.2	3	1¼x2⅛x1⅜"	1.16
61 U 400	4000	10	3.5	3	1¼x2⅛x1¼"	1.09
62 U 064	5000	40	3.2	3	1¼x2⅛x1⅜"	1.16
61 U 403	5000	40	4	5	1⅜x2⅜x1⅜"	1.16
61 U 446	*5000	40	6-8	10	2⅜x2⅞x1⅞"	2.06
61 U 447	7000	30	4	5	1⅜x2⅜x1⅜"	1.37
62 U 093	8000	20	3.2	3	1¼x2⅛x1⅜"	1.09
61 U 448	10,000	30	4	5	1⅜x2⅜x1⅜"	1.31
61 U 449	25,000	5	4	5	1⅜x2⅜x1⅜"	1.55

Allied's own Knight transformers carry a one year warra
against defects in workmanship.

UNIVERSAL OUTPUT TRANSFORMERS

CT primary, except *single-ended output. 6 taps on seco
Match single or push-pull tubes to speaker voice coil. †F

Stock No.	Fig.	Primary Impedances	Watts	Mtg. Ctrs.	Wt., Lbs.
62 U 023	B	2000-14,000 ohms	4	2"	½
62 U 021	B	2000-14,000 ohms	8	2⅜"	¾
61 U 452	C	†2000-14,000 ohms	8	2"	¾
62 U 022	C	†2000-14,000 ohms	18	2⅜"	1¼
61 U 453	B	6000-10,000 ohms	8	2¹³⁄₁₆"	1¼
61 U 404	B	*7000-10,000 ohms	4	2"	½
61 U 454	B	5000, 10K, 20K	15 ma	2¹³⁄₁₆"	1

FIXED-IMPEDANCE OUTPUT TRANSFORMERS

For a wide variety of audio applications. All have center-t
primary for push-pull operation.

Stock No.	Fig.	Impedance, Ohms		Audio Watts	Mtg. Centers	Wt., Lbs.
		Primary	Secondary			
61 U 457	A	4000	8/16/32	7½	3⅛"	1¾
61 U 455	H	66K	4/8/15/250/500	35	2½x2¼"	5¼
61 U 456	A	25K	4	5	2"	½

HIGH-FIDELITY PUSH-PULL OUTPUT TRANSFORME

For use in high-fidelity audio amplifiers. Screen taps on prima
ultra-linear operation, except *no screen tap. Frequency re
flat from 15 to 35,000 cps., except types without screen ta
20-20,000 cps. Secondaries 4, 8, 16 ohms, except ‡8, 16.

Stock No.	Fig.	Watts	P-P Imp.	†Ma	Size	Wt., Lbs.
62 U 082	J	12	8000	60	3¾x3x3¼"	3½
62 U 018	J	*18	8000	65	3¾x3x3¼"	3½
62 U 019	K	30	6600	100	4¼x3⅝x4½"	7
62 U 024	H	12	8000	60	3⅛x2⅝x2¾"	2½
62 U 058	A	*18	8000	65	2⅝x4x2½"	2¼
62 U 054	H	24	6600	75	3⅞x3¼x3⅞"	6
62 U 059	H	30	6600	100	3⅞x3¼x4"	6
62 U 395	H	*‡50	5000	150	4¼x3½x4"	7
62 U 397	H	*‡50	6600	125	4¼x3½x4"	7¼

OSCILLOSCOPE TRANSFORMERS

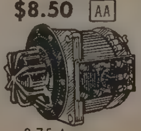
Pri. 117 v. 60 c.; *50-60 cycle. †2.5 v. @ 2.2A; or 6.3 v. @ 0.6A.
@ 2.0A.

Stock No.	Fig.	Plate Supply Volts AC	DCMA	Rect. Volts	Fil. Amps	Mtg. Centers	Wt., Lbs.
63U726	K	1500 halfwave	1.5	2.5	1.75	1¾x2¹¹⁄₁₆"	1¾
63U727*†	H	1800 halfwave	2.0	2.5	1.8	2½x2¹⁵⁄₁₆"	5
63U728††	H	2400 halfwave	5.0	2.5	2.0	2¾x2¾"	6½

NEW! KNIGHT VARIABLE TRANSFO

Maximum Rated Current Available
Over the Full Output-Voltage Range

1.75 Amps
$8.50 AA

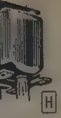

3.75 Amps
$13.40 BB

Designed to provide variable output v
with high conversion efficiency. Cons
single-layer winding on high-grade to
core. Sliding brush permits selection of d
output. Terminals for outputs from 0 t
voltage, or 0 to over the line voltage as ind
in specifications below. For 50-60 cycle A

AA Max. KVA .23; input volts, 120; o
volts, 0-132/0-120, amps, 1.75. For
¼" thick. Size, 2³⁄₃₂x2¹³⁄₃₂". Shpg. wt., 2
64 U 938..

BB Max. KVA .53; input volts, 120; o
volts, 0-140/0-120, amps 3.75. For
½" thick. Size, 3¾x3¾x3¼". Shpg. wt.,
64 U 939..

knight Transformers—Exclusive at Allied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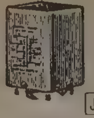
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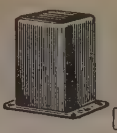
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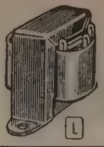
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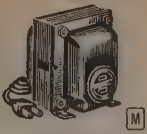
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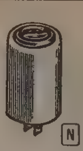
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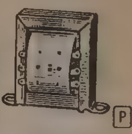
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POWER TRANSFORMERS

adio replacement use, etc. Fully shielded. Heavy-duty 5″ leads. All plate windings are center-tapped, except *half-ype; for 6AX5, 6X4, 6X5 and similar 6.3 v. filament rectifiers r selenium rectifier. CT 6.3 v. winding except § has 2—6.3 v. ngs. †Not CT. ‡Static shield. #60 cycle only. 110-120 volt, 50-le primaries.

ck .	Fig.	Plate VCT	Plate MA	5 V at A	6.3 V at A	Mtg. Ctrs.	Wt., Lbs.	EACH
710	A	115*	15	.....	0.6†‡	2⅜″	1	4.22
410	F	125*	15	.....	0.6†	2″	¼	1.87
411	A	125*	50	.....	2†	3⅛″	1½	3.02
709	G	135*	15	.....	0.9†‡	1¼″	1	3.88
708	G	135*	200	.....	5.5‡	2¹³⁄₁₆x2¼″	3½	7.24
720	H	230	40	....	1.5	1¾x1⅝″	1½	5.41
008	F	250	25	.....	1.0†	2⅜″	1	2.24
318	F	380*	20	.....	....	2⅜″	1½	3.02
706	H	440	50	.....	0.6†	2x1¹¹⁄₁₆″	2¼	5.61
461	H	460	50	.....	2.5†	2x1¾″	2¾	4.22
502	G	460	50	.....	2.5†	2½x2″	2¾	4.22
034	G	480	40	2	2	2½x2″	2¾	4.37
503	G	480	55	2	2	2½x2″	3	4.91
504	G	480	70	3	3	2½x2″	3	4.88
427	H	480	40	2	2	2x1¹¹⁄₁₆″	2¾	4.37
462	H	480	55	2	2	2x1¾″	3	4.91
463	H	480	70	...	3†	2x1⅞″	3	4.88
505	H	500	40	2	2	2x1¹¹⁄₁₆″	3	4.88
506	G	500	70	2.0	2.5	2½x2″	3½	5.68
550	G	500	40	2	2	2³⁄₁₆x1¾″	2¼	4.73
551	H	500	40	.....	2	1²⁵⁄₃₂x1⅞″	2¼	4.73
464	H	500	70	2	2.5	2x2⅛″	3½	5.68
465	H	520	90	.....	4†	2¼x2-1/6″	3¾	5.73
444	G	520	90	2	3	2¹³⁄₁₆x2¼″	4	5.55
412	H	520	90	2	3	2¼x2¼″	4	5.55
507	G	520	90	.....	4†	2¹³⁄₁₆x2¼″	3¾	5.73
554	H	525	90	2	5	2¼x2½″	4½	8.83
722	G	525	90	2	5	2¹³⁄₁₆x2¼″	4½	8.83
466	H	540	120	3	3.5	2½x2¼″	5	8.03
509	G	540	120	3	3.5	3⅛x2½″	5	8.03
467	G	550	50	2	2.5	2½x2″	3¾	6.37
704	H	600	65	.....	2.7‡#	2x1⅞″	2¾	7.19
468	G	600	70	2	3	2½x2″	3¾	6.88
523	H	600	90	2	3.5	2¼x2¼″	4¼	7.10
469	G	600	120	3	5	3⅛x2½″	6	8.63
725	H	600	70	2	3	2x2³⁄₁₆″	3¾	6.88
519	G	600	90	2	3.5	2¹³⁄₁₆x2¼″	4¼	7.10
526	H	600	120	3	5	2½x2⁹⁄₁₆″	6	8.63
703	H	650	150	3	5	2½x2⁹⁄₁₆″	6	9.06
413	H	650	40	2	2	2x1¹¹⁄₁₆″	2½	4.53
528	G	650	55	2	2	2½x2″	3½	5.41
730	H	650	150	3	5	2½x3″	7½	8.52
041	G	650	40	2	2	2½x2″	2½	4.53
470	H	650	55	2	2	2x2⅛″	3½	5.41
042	G	650	70	3	3.5	2½x2″	4¼	4.73
428	H	650	70	3	3.5	2x2¾″	4¼	4.73
471	G	650	150	3	5	3⅛x2½″	7½	8.52
472	H	680	70	2	2.5	2¼x2³⁄₁₆″	4	6.52
532	G	680	70	2	2.5	2¹³⁄₁₆x2¼″	4	6.52
534	G	700	200	3	6	3¾x3″	8	11.87
043	G	700	90	3	3.5	2¹³⁄₁₆x2¼″	4½	6.26
429	H	700	90	3	3.5	2¼x2⅜″	4¼	6.26
044	G	700	120	3	4.7	3⅛x2½″	5¾	7.37
430	H	700	120	3	4.7	2½x2¹¹⁄₁₆″	5¾	7.37
535	H	700	200	3	6	3x2¹³⁄₁₆″	8	11.87
552	G	750	175	3	8	3⁷⁄₁₆x2¾″	9½	12.19
045	G	750	150	3	5	3⅛x2½″	6½	9.52
431	H	750	150	3	5	2½x3¹⁄₁₆″	6½	9.52
553	H	750	175	3	8	2¾x3⁵⁄₁₆″	9½	12.19
547	G	800	250	4	5	3¾x3″	10¾	12.83
702	H	800	30	2†	1.2§‡	2x2¹³⁄₁₆″	3	8.74
033	G	800	200	3	5	3¾x3″	8	9.90
414	H	800	200	3	5	3x2¹³⁄₁₆″	7¾	9.90
548	H	800	250	4	5†	3x3⁵⁄₁₆″	10¼	12.83
701	H	900	250	4†	2‡	3x3⁹⁄₁₆″	12	17.22
473	H	1200	200	3	3†§	3x3¹⁄₁₆″	9½	12.56
549	H	1200	200	3	3†§	3x3¹⁄₁₆″	9½	12.56
700	H	1840	Cap. input 200 ma; Ind. input 250 ma.			3x3¹³⁄₁₆″	13	13.67

CONTROL TRANSFORMERS

For high-speed automatic equipment, relays, pilot lamps, solenoids, small motors. May be used in high current, low voltage power supplies. Secondary has two identical windings which permit series or parallel operation. Primary for 115 or 230 v., 50-60 cycles.

Stock No.	Fig.	Parallel Sec. Volts	Parallel Sec. Amps	Series Sec. Volts	Series Sec. Amps	Size	Wt., Lbs.	EACH
62 U 351	P	6	2	12	1	2⅜x2⅞x1¾″	1	2.84
62 U 352	P	6	4	12	2	2¾x3⅛x2″	1¾	3.31
62 U 353	P	12	4	24	2	3⅛x3⅝x2¼″	2½	4.35
62 U 354	D	12	8	24	4	3⅜x2⅞x3″	4½	7.24

VARIABLE VOLTAGE AND ISOLATION TRANSFORMERS

Output, 115 v., except *105, 115, 125. 50-60 cps. 6′ cord, plug.

Stock No.	Fig.	Watts	Input Volts	Size	Mtg. Centers	Wt., Lbs.	EACH
62 U 080	E	150	90-250	4⅝x3⅞x5½″	3x3⅛″	9½	14.32
61 U 490	E	100	105-125	4⅝x3⅞x4¾″	3x2⁹⁄₁₆″	7½	12.94
62 U 563	M	*350	117	5½x4⅝x5¾″	3½x3⅞″	16	21.11

M ISOLATION TRANSFORMERS

Reduce shock hazard by isolating equipment from AC power line. Prevent "hot chassis" when servicing AC-DC equipment. For 115 v., 50-60 cycles. With 6-ft. cord, plug, standard AC receptacle.

Stock No.	Watts	Size	Wt., Lbs.	EACH
61 U 426	50	3⅝x3x3⅜″	3½	6.19
62 U 086	100	4⅜x3⅝x4″	7	10.92
62 U 087	250	4⅝x3⅞x4⅝″	12½	19.11

230 TO 115-VOLT STEP-DOWN AUTOTRANSFORMERS

Well-built step-down transformers for reducing 220-250 volts, 50-60 cycles to 110-125 volts. For operating tape recorders, radios, amplifiers, household appliances, etc. Shielded construction. With 8-ft. cord and plug. Standard AC receptacle on case.

Stock No.	Fig.	Volt-Amps	Size	Wt., Lbs.	EACH
61 U 494	N	8	3¾x1¹¹⁄₁₆″	1	3.28
62 U 555	A	20	2x3¼x2″	1¼	2.58
62 U 556	A	40	2⁵⁄₁₆x3⅝x2⅛″	1¾	3.37
62 U 510	M	80	3⅝x3x3¼″	3¼	6.22
62 U 557	M	100	3½x2⅞x3⅜″	4	6.62
62 U 511	M	150	4x3⅜x3⅝″	4¾	7.84
62 U 512	M	250	4⁵⁄₃x3⅞x4¼″	7¾	10.32
62 U 513	M	500	4⅝x3⅞x4¾″	11	14.18
61 U 434	M	750	5½x4⅝x5″	13¾	17.84
61 U 432	M	1000	5½x4⅝x5¼″	14¾	22.20
61 U 435	M	1500	6x4½x5⅝″	20	26.21
61 U 433	M	2000	6x4½x6⅜″	25	29.72

M 115 TO 230-VOLT STEP-UP AUTOTRANSFORMERS

Increase 110-125 volts, 50-60 cycles, to 220-250 volts. Shielded construction. 8′ cord, plug. Std. AC receptacle on case.

Stock No.	Volt-Amps	Size	Wt., Lbs.	EACH
62 U 558	80	3⅝x3x3¼″	3¼	6.22
62 U 559	150	4x3⅜x3⅝″	4¾	7.84
62 U 560	500	4⅝x3⅞x4¾″	10¼	14.18

D MULTI-TAP SELENIUM RECTIFIER TRANSFORMERS

Tapped primary and additional tapped winding permit a variety of output voltages in addition to those shown. 117 v., 50-60 cycle primaries. Include wiring diagram. *Capacitive load.

Stock No.	Rect. Circuit	Range of AC Volts	Max DC Output* Volts	Max DC Output* Amps	Size	Wt., Lbs.	EACH
62 U 331	C.T.	11.5 to 29.5	13.6	2			
	Bridge	11.0 to 28.5	30.0	1.25	3x2½x2¾″	2¾	5.10
62 U 332	C.T.	12.0 to 29.6	14.5	4			
	Bridge	12.0 to 29.6	33.0	2	3⅜x2⅞x3″	4½	6.46
62 U 333	C.T.	11.5 to 29.0	14.5	8			
	Bridge	11.5 to 29.0	32.2	4	3¾x3⅛x3½″	6¼	8.74
62 U 334	C.T.	12.0 to 29.5	14.2	12			
	Bridge	12.0 to 29.5	32.0	6	4⅛x3½x3⅞″	9	11.54
62 U 335	C.T.	12.0 to 29.0	14.5	15			
	Bridge	12.0 to 29.0	32.0	8	4⅝x3¾x5″	13	14.05

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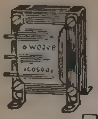
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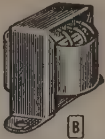
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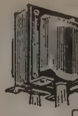
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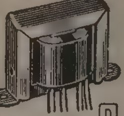
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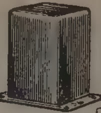
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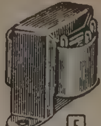
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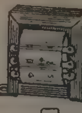
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Compare specifications and prices. Allied's own Knight components always give you more for your money!

FILTER AND SMOOTHING CHOKES

All chokes are rated at 10 volts, 60 cps with maximum DC in winding. Ratings have −15%, +50% tolerance. Insulation withstands 1500 volts, rms except †2000, ‡3000.

Stock No.	Fig.	Hys	Ma	Res., Ohms	Mtg. Centers	Wt., Lbs.	EACH
62 U 341	A	.01	12.5	.11	3⅜x2⅜"	6½	8.12
62 U 342	A	.025	4	.425	2¾x2⅛"	3½	5.50
62 U 343	A	.035	2	.75	2⅛x2"	2¾	3.44
64 U 700	B	.08/.02	2500/5000	.61/.155	2½x3¹⁄₁₆"	6¾	9.01
64 U 701	B	.3/.075	1000/2000	3/.75	2¼x2¹¹⁄₁₆"	4¾	7.04
64 U 702	B	.33	600	10	2¹³⁄₁₆"	1½	2.46
64 U 703	B	.70	290	30	2⅜"	¾	1.31
61 U 405	B	.08	375	25	3⅛"	1¼	2.82
61 U 479	B	†1.0	300	40	3⅛"	1¼	2.66
61 U 480	B	‡1.5	10	95	1¾"	¼	1.24
61 U 406	B	1.5	200	60	2⅜"	¾	1.42
61 U 481	B	2.0	200	65	3⅛"	1¾	2.55
63 U 990	B	2.0	15	70	1¾"	½	1.35
61 U 482	B	2.3	150	60	2¹⁄₁₆"	1	2.00
62 U 344	B	†2.5	130	100	2¹³⁄₁₆"	1	1.91
62 U 345	B	2.8	300	60	3⁹⁄₁₆"	2	3.42
61 U 483	B	†3.0	150	97	3⅛"	1¾	2.28
61 U 407	B	3.5	50	200	2⅜"	¾	1.29
63 U 991	B	‡4.0	250	60	2¼x2⅜"	4½	6.08
62 U 346	C	‡4 0	175	100	2x1¾"	2¾	4.26
62 U 347	C	‡4.5	200	80	2¼x2¹⁄₁₆"	3¾	5.26
63 U 992	B	5.0	65	330	2⅜"	¾	1.97
62 U 348	E	5.0	100	300	1½x2⅜"	2½	3.40
62 U 135	B	5.5	50	330	2"	½	1.02
64 U 704	B	6.0	200	150	3⁹⁄₁₆"	2½	3.24
64 U 705	C	6.0	200	150	2"	2¾	4.40
61 U 408	B	7.0	50	550	2"	½	1.13
61 U 484	B	7.0	150	200	3⁹⁄₁₆"	2¼	3.20
61 U 485	B	8.0	85	260	2¹⁄₁₆"	1½	2.15
62 U 136	B	8.5	50	400	2⅜"	¾	1.07
61 U 409	B	‡8.5	200	140	2¼x2⅛"	3½	5.90
63 U 993	B	9.0	125	250	3⅛"	1½	2.69
64 U 706	C	†10.0	200	150	2¼x2⅜"	4½	6.39
64 U 707	B	10.0	90	270	2¹³⁄₁₆"	1½	2.29
62 U 139	B	10.5	110	220	3⁹⁄₁₆"	2¼	2.82
63 U 995	B	†12.0	30	400	2"	½	1.62
61 U 486	B	12/8/4	100/150/200	145	2x1¾"	2¾	3.91
61 U 487	B	13.0	65	385	2¹³⁄₁₆"	1	2.09
62 U 138	B	15.0	75	400	3⅛"	1¾	2.28
62 U 137	B	16 0	50	550	2¹³⁄₁₆"	1	1.71
61 U 488	B	‡16.0	80	365	2x1¾"	2¾	4.19
61 U 489	B	20.0	15	900	2⅜"	¾	1.78
62 U 349	B	35.0	15	1600	2"	½	1.44
62 U 350	B	‡350.0	5	5500	2¹³⁄₁₆"	1	3.31

HIGH-CURRENT CHOKES §Amps

63 U 996	B	.01	8.0§	.15	3⅛x2¼"	5½	7.03
63 U 997	B	.005	22.5§	.03	3¾x3½"	12	11.76

LOW-VOLTAGE RECTIFIER TRANSFORMERS

For silicon diode and transistor DC voltages with full-wave or bridge rectifier. 1500 volt test. Primaries, 115 v. Primaries of Fig. D types are tapped. All are Fig. D except * Fig. A.

Stock No.	Secondary		Size H x W x D	Mtg. Ctrs.	Wt. Lbs.	EACH
	Volts AC	Amps.				
64 U 731	10-20 CT-40 CT	.035	1⁷⁄₁₆x2⅜x1⅜"	2"	½	2.95
64 U 732	10-20 CT-40 CT	.100	1¹¹⁄₁₆x2¹³⁄₁₆x1⅝"	2⅜"	¾	3.35
64 U 733	10-20 CT-40 CT	.300	2⁵⁄₁₆x3¹¹⁄₁₆x2"	3⅛"	1½	3.99
64 U 734	10-20 CT-40 CT	.750	2⅝x4x2⅜"	3⁹⁄₁₆"	2½	5.08
64 U 735	10-20 CT-40 CT	1	3⅛x2⅝x3⅛"	2x2¼"	3¼	7.53
64 U 736	0-17-18	*3	3⅛x2⁹⁄₁₆x2⅞"	2x2⅜"	3¼	5.57
64 U 737	0-17-18	*6	3¹³⁄₁₆x3³⁄₁₆x3¼"	2½x2⅝"	5¾	7.53
64 U 738	0-6.5-13-19.5-26	*3	3½x2⅞x2⅜"	2¼x2⅛"	3½	6.06
64 U 739	0-24-27-30-33-36	*3	3¹³⁄₁₆x3³⁄₁₆x3¼"	2½x2⅝"	5¾	8.85
64 U 740	0-24-27-30-33-36	*8	4⅝x3¹³⁄₁₆x3⅞"	3x3¼"	10¾	13.76
63 U 977	0-24-26-28-30	*15	4½x3¾x5¾"	3x4⁹⁄₁₆"	18½	40.06

MINIATURE INTERCOM/TRANSCEIVER TRANSFORMERS

Transceiver and intercom transformers designed to replace original units. *Transceiver input, mike or plate to grid; has 4.5% primary tap used in B + filter network for hum reduction. †Intercom input, voice coil to grid. §Line to voice coil. Av. shpg. wt., ½ lb.

Stock No.	Fig.	Impedance, Ohms		Audio Watts	Mtg. Ctrs.	EACH
		Primary	Secondary			
61 U 491	B	*200/5000	60,000	5	2⅜"	2.28
61 U 492	B	†4	25,000	....	2"	1.80
61 U 493	F	§45/50	3-4, 6-8	3	2"	1.57

Allied has more transformers available than shown in this ca
For prompt price quotations, write, wire, or phone us.

F STANDARD LINE-TO-VOICE-COIL TRANSFORM

500-ohm primary, except *2000/1500/1000/500 and §3000/200 1000/500 ohms. †Fig. G.

Stock No.	Secondary Imp., Ohms	Audio Watts	Size	Wt., Lbs.
61 U 442	4-8	*4	1⅜x2⅜x1½"	½
61 U 423	6-8/3.2	5	1⅜x2⅜x1½"	½
61 U 425	6-8/3.2	*8	1⅝x2¹³⁄₁₆x1⅝"	¾
61 U 443	4 8	*12	2x3¼x1⅞"	1¾
61 U 451	4/8/16	†§10	2⅜x2⅞x1⅞"	1¾
61 U 424	15/8/6/4	†25	2⅜x2⅞x1⅞"	1¾

70.7-VOLT LINE-TO-VOICE-COIL TRANSFORMER

Secondaries: 4, 8, 16 ohms, except *3.2-4, 6-8. †High-fidelity.

Stock No.	Fig.	Watt Taps	Max. Watts	Size	Wt. Lbs
61 U 440	F	2, 1, .5	*2	1³⁄₁₆x2¹⁄₁₆x1¼"	¼
62 U 081	F	5, 2.5, 1.25, .62, .31	*5	1⅜x2⅜x1½"	¾
61 U 422	G	8, 4, 2, 1, 0.5	8	2x2⅜x1⅝"	¾
62 U 077	F	10, 5, 2.5, 1.25, .62	10	1⅝x2¹³⁄₁₆x1⅝"	¾
62 U 078	G	18, 9, 4.5, 2.25, 1.12, .56	18	2⅜x2⅞x1⅞"	1¾
61 U 450	G	16, 8, 4, 2, 1, 0.5	16	2¾x3⅛x2¼"	2
62 U 079	F	24, 12, 6, 3, 1.5, .75	24	2¼x3¹¹⁄₁₆x2¼"	1¾
61 U 441	F	5, 2.5, 1.25, .625, .31	†5	1⅝x2¹³⁄₁₆x1⅝"	¾

25-VOLT LINE-TO-VOICE-COIL TRANSFORMERS

Secondaries: 4, 8, 16 ohms, except *3.2-4, 6-8.

Stock No.	Fig.	Watt Taps	Max. Watts	Size	Wt. Lbs
61 U 436	F	2, 1, 0.5	*2	1³⁄₁₆x2¹⁄₁₆x1¼"	¼
61 U 437	F	5, 2.5, 1.25, 0.625, 0.31	*5	1⅝x2¹³⁄₁₆x1⅝"	¾
61 U 438	F	10, 5, 2.5, 1.25, 0.625	10	2¼x3¹¹⁄₁₆x2"	1¾
61 U 439	F	18, 9, 4.5, 2.25, 1.12	18	2⅝x4x2¼"	2½

MICROPHONE OR LINE-TO-GRID TRANSFORMER

Stock No.	Fig.	Primary Ohms	Sec. Ohms	Mtg. Ctrs.	Wt., Lbs.
63 U 980	B	100	70KCT	2⅜"	½
63 U 979	B	400CT	195K	1¾"	½

G LINE TO LINE OR VOICE COIL TRANSFORME

Designed to operate one or more speakers, in parallel, across a 5 line. Primary impedance: 500-1000-1500-2000-2500-3000 ohms. ary impedance: .06 to 8 ohms when primary is 500 ohms; .12 to when primary is 1000 ohms, etc. Size: 2⅜x2⅞x2". Mounting 2⅜". Audio power: 15 watts. Shpg. wt., 2 lbs.

63 U 978.......................................Eac

B SINGLE PLATE TO P-P GRID TRANSFORMER

Primary impedance: 10K ohms. Primary to ½ secondary ratio: 1:1. Maximum primary DC current: 40 ma. Overall size: 2x3 Mounting centers: 2¹³⁄₁₆". Shpg. wt., 1½ lbs.

63 U 983.......................................Eac

B AUDIO TRANSFORMERS

*Single plate to P-P grid except, †single plate to single grid, ‡si P-P plate to P-P grids, §P-P plate to voice coil. ½x½" cores. Av wt., 2 lbs.

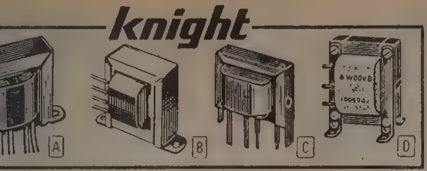
Stock No.	Impedance, Ohms		Turns Ratio	Max. Ma	Size
	Primary	Secondary			
63 U 998	§5000CT	500/250/ 15/8/4	4	80	3½x2¹⁵⁄₁₆x3⅛"
62 U 062	†7000	20,000	1:3	10	1⅜x2⅜x1⅜"
61 U 415	*7000 15K	....	1:3	10	1⅜x2⅜x1⅜"
61 U 458	*10,000	40,000CT	1:2	10	1⅜x2⅜x1½"
61 U 459	*10,000	90,000CT	1:3	10	2x3¼x2"
61 U 460	‡10,000CT	90,000CT	1:3	10	1⅝x2⅞x1½"
63 U 999	§10,000CT	8/4/2	1	40	1¹¹⁄₁₆x2¹³⁄₁₆x1¾"
64 U 114	§10,000CT	500/15/ 8/4/2	4	70	3½x2¹⁵⁄₁₆x3⅛"
64 U 115	§10,000/ 7000CT	500/15/ 8/4	3	60	3⅛x2⅝x2⅝"

B TUBE TESTER FILAMENT TRANSFORMER

Has multi-tapped secondary. Primary: 125/115/105 volts, 60 cycl ondary output volts: 1.1/1.4/1.5/2.0/2.5/3.0/3.3/4.0/5.0/6.3/7 12/20/25/30/35/50/70/85/110/117. Mounting centers: 3⁹⁄₁₆". size: 2⅝x4x2³⁄₁₆" Shpg. wt., 2½ lbs.

62 U 083.......................................Each

Knight and UTC Transformers and Inductors



TRANSISTOR TRANSFORMERS

wn line of economically priced, ruggedly constructed, transistor ers. All are made from high-quality materials and provide ex- wer-handling capabilities and frequency response along with a amount of distortion. Included are a wide selection of minia- t, output, interstage and driver transformers in a variety of e and ratio values for most transistor circuit requirements. In ow, impedance and resistance-values are given in ohms. Av. , 6 oz. **Write, wire or phone Allied for information on purchases of ten or more transformers of one type.**

INPUT TRANSFORMERS

Fig.	Pri. Imp.	Sec. Imp.	Watts	Size H x W x D	Mtg. Ctrs.	EACH
A	600 CT	10	.050	13/16x1 9/16x15/16″	1 5/16″	1.73
C	30 CT	50K	.150	21/32x13/16x9/16″	25/32″	2.98
A	1K CT	200K CT	.300	13/16x1 5/8x3/4″	1 3/8″	2.98

OUTPUT TRANSFORMERS

Fig.	Pri. Imp.	Sec. Imp.	Watts	Size H x W x D	Mtg. Ctrs.	EACH
C	350 CT	4, 12	.150	21/32x13/16x9/16″	25/32″	2.88
C	500 CT	4, 8, 16	.150	21/32x13/16x9/16″	25/32″	2.98
C	600 CT	4, 8, 16	.150	21/32x13/16x9/16″	25/32″	2.98
C	825 CT	4, 8, 16	.150	21/32x13/16x9/16″	25/32″	2.98
C	1250	4, 12	.150	21/32x13/16x9/16″	25/32″	2.84
C	2500	4, 16	.150	21/32x13/16x9/16″	25/32″	2.84
C	10K CT	4, 8, 16	.150	21/32x13/16x9/16″	25/32″	3.06
A	2000 CT	4, 8, 16	.200	3/4x1 9/16x3/4″	1 3/8″	4.79
A	100 CT	4, 8, 16	.300	13/16x1 5/8x3/4″	1 3/8″	3.13
A	400 CT	4, 8, 16	.300	13/16x1 5/8x3/4″	1 3/8″	2.95
A	500 CT	4, 8, 16	.300	13/16x1 5/8x3/4″	1 3/8″	2.98
A	700 CT	4, 8, 16	.300	13/16x1 5/8x3/4″	1 3/8″	3.13
A	2500	4, 8, 16	.300	13/16x1 5/8x3/4″	1 3/8″	2.95
A	3000	4, 8, 16	.300	13/16x1 5/8x3/4″	1 3/8″	2.95
A	48 CT	8, 16	5	2x3 5/16x1 3/4″	2 13/16″	3.24
A	20 CT	8	10	1 7/16x2 3/8x1 3/4″	2″	1.75
B	48 CT	3.2, 8, 16	10	2 5/16x2 7/8x2″	2 3/8″	2.77
B	100 CT	3.2, 8, 16	10	2 5/16x2 7/8x2″	2 3/8″	2.73

INTERSTAGE TRANSFORMERS

Fig.	Pri. Imp.	Sec. Imp.	Watts	Size H x W x D	Mtg. Ctrs.	EACH
A	500 CT	5K CT	.030	1 3/8x2 7/16x1 3/8″	2″	2.29
C	100 CT	10 CT	.150	21/32x13/16x9/16″	25/32″	2.84
C	500 CT	50	.150	21/32x13/16x9/16″	25/32″	2.80
C	500 CT	50K	.150	21/32x13/16x9/16″	25/32″	2.95
C	1200	20K CT	.150	21/32x13/16x9/16″	25/32″	2.88
C	1500	500 CT	.150	21/32x13/16x9/16″	25/32″	2.73
C	5K CT	7500 CT	.150	21/32x13/16x9/16″	25/32″	2.98
C	5K CT	10K CT	.150	21/32x13/16x9/16″	25/32″	2.88
C	10K	200 CT	.150	21/32x13/16x9/16″	25/32″	2.88
C	10K	2K CT	.150	21/32x13/16x9/16″	25/32″	2.84
C	500 CT	150 CT	.150	21/32x13/16x9/16″	25/32″	2.88
C	20K	800 CT	.150	21/32x13/16x5/8″	25/32″	2.62
A	100 CT	10 CT	.250	1 1/4x2 1/16x1 3/8″	1 3/4″	1.75
A	100	1K CT	.250	1 3/8x2 7/16x1 3/8″	2″	1.75
A	100K	1500 CT	.300	13/16x1 5/8x3/4″	1 3/8″	3.00
A	500 CT	500 CT	.300	13/16x1 5/8x3/4″	1 3/8″	2.73

DRIVER TRANSFORMERS

Fig.	Pri. Imp.	Sec. Imp.	Watts	Size H x W x D	Mtg. Ctrs.	EACH
A	1000	200 CT	.050	5/8x1 1/4x1/2″	1 1/16″	4.28
A	100	200 CT	.500	1 1/4x2x1 1/4″	1 3/4″	1.93
A	500 CT	200 CT	.500	1 1/4x2x1 1/4″	1 3/4″	2.15
A	100	100 CT	.500	1 5/8x2x1 3/8″	2 3/8″	1.73
A	20	36 CT	1.0	1 3/16x2 1/16x1 1/8″	1 3/4″	1.55
B	Pri.-½ Sec. Ratio 1:1			2x2 3/8x1 11/16″	2″	2.31

WER TRANSFORMERS WITH 117-VAC PRIMARIES

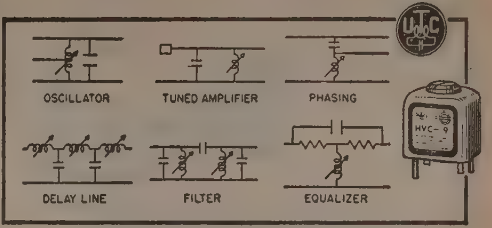
Fig.	Description	Size	Wt., Lbs.	EA.
D	Sec. 13 or 18 v. AC, 900 ma, DC	3 1/8x2 5/8x2 15/16″	3	4.33
D	Sec. 80 VCT, 1.2 A	3 1/2x2 15/16x3 9/16″	4½	5.82

A AUDIO TRANSFORMER

impedance: 2000 ohms, center tapped. Secondary impedance:
s, center tapped. Maximum primary DC current: 10 ma. Audio
1. 5/8x1 9/32x5/8″. Mtg. centers: 1 1/16″. Shpg. wt., ½ lb.
5 .... **Each 4.71**

Allied your headquarters for everything in electronics. This is your guide through the world's largest stock of electronic ent. You'll like our quick service, too.

UTC INDUCTORS AND TRANSFORMERS

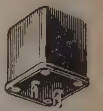


TYPES HVC and TVC VARIABLE INDUCTORS

HVC AND TVC inductors offer wide inductance range with high Q. Extremely compact. Perfect for tuned circuits—oscillators, equalizers, filters, etc. Adjustable from −70% to +200% of mean inductance by 900° rotation. Exhibit high stability during temperature and voltage changes. TVC series has taps at 30% and 50% of total turns. Inductors have two 4-40 mounting studs. Size, 1 1/8x2 5/32x1 7/32″. Actual weight of each inductor is only 2 ounces. Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Mean Henries	Maximum Ma	EACH
62 U 114	HVC-1	.006	100	9.00
62 U 115	HVC-2	.015	60	9.00
62 U 116	HVC-3	.040	40	9.00
62 U 117	HVC-4	.1	30	9.00
62 U 118	HVC-5	.25	20	9.00
62 U 119	HVC-6	.6	15	9.00
62 U 121	HVC-7	1.5	10	9.60
62 U 122	HVC-8	4.0	7	9.60
62 U 123	HVC-9	10	5	9.60
62 U 124	HVC-10	25	3.5	9.90
62 U 127	HVC-12	150	1.5	12.00
61 U 330	TVC-1	.006	100	11.00
61 U 331	TVC-2	.015	60	11 10
61 U 332	TVC-3	.040	40	11.10
61 U 333	TVC-4	.1	30	11.10
61 U 334	TVC-5	.25	20	11.10
61 U 335	TVC-6	.6	15	11.10
61 U 336	TVC-7	1.5	10	11.70
61 U 338	TVC-9	10	5	11.70

TYPE VIC VARIABLE INDUCTORS



These variable inductors offer a convenient approach to problems associated with tuned audio circuits. By adjusting a set-screw in the side of case, any inductance value of from −45% to +85% from the mean value is easily obtained. Range is covered in a 600° rotation with positive setting. Mounting centers on terminal board side are 13/16x2 9/32″, and tapped for 4-40 screws. Overall size, 1 11/32x 1 1/4x1 7/16″. Shpg. wt., 8 oz.

Stock No.	Mfr's Type	Mean Henries	Maximum Ma	EACH
62 U 902	VIC-3	.021	50	6.60
62 U 907	VIC-8	.21	21	6.90
62 U 908	VIC-9	.34	18	6.90
62 U 909	VIC-10	.54	15	6.90
62 U 911	VIC-12	1.3	10	7.20
62 U 912	VIC-13	2.2	8	7.20
62 U 913	VIC-14	3.4	7	7.20
62 U 914	VIC-15	5.4	6	7.50
62 U 915	VIC-16	8.5	5	7.50
62 U 917	VIC-18	21	3.5	7.80

TRANSISTOR AND TUBE-TYPE MINIATURE AUDIO TRANSFORMERS

Audio Transformers in Drawn Steel Cases—Occupy Less Than 2 Cubic Inches

Length.................1 13/32″
Width..................61/64″
Height.................1 7/16″
Mtg. (slot center) ....1 1/8 to 1 7/32″
Screws.................4-40 Fil.
Cutout.................7/8″ Dia.

For vacuum tube or transistor circuits. Have bead terminals that can be used in printed circuits. Impedance ratio remains constant. May be used in reverse—input to secondary. Level-ratings listed, are those that provide low distortion at lowest frequency specified—for higher frequencies, higher levels are permissible. *Indicates split primary. †Indicates split secondary. Av. shpg. wt., 3 oz.

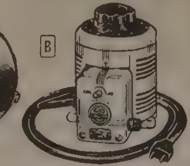
Stock No.	Mfr's Type	Primary Impedance (Ohms)	Secondary Impedance (Ohms)	Frequency Response (cps)	EACH
61 U 700	H-1	50/200CT/500CT	50,000	50-10,000	9.00
61 U 705	H-6	15,000	†95,000	200-10,000	10.20
61 U 706	H-7	20,000CT	†600/150	200-10,000	9.60
61 U 707	H-8	*600/150	600 CT	50-10,000	9.00
64 U 122	H-14	*10,000/2500	†4000/1000	100-10,000	9.00
64 U 123	H-15	1500CT	†500/125	100-10,000	9.00

Variable and Fixed-Voltage Transformers

SUPERIOR VARIABLE AUTOTRANSFORMERS

- Boost or Reduce AC Line Voltage
- Toroidal Core with Rotating Brush Tap
- Zero Waveform Distortion

A


B

"Powerstat" variable transformers have many applications in radio and TV sets, hi-fi equipment, Amateur gear, and other electronic uses. Excellent for boosting or reducing AC line voltage that is consistently low or consistently high. Maximum current ratings apply over full output-voltage range. Toroidal core with rotating brush tap delivers adjustable voltage from zero to above input voltage. Zero waveform distortion. Type 10B has "L" terminal which allows connecting to limit output to applied voltage; mounts behind panel. Type 116 for 110-120 v., 50-60 cycle AC. Type 10B for 60 cycles. Sizes in table: 10B, distance back of panel, and diameter; 116, overall height, and diameter. Type 116 has on-off switch, line cord, plug, fuse, and standard AC output receptacle built-in.

Stock No.	Mfr's Type	Fig.	Output Volts	Output A	Output KVA	Size	Wt., Lbs.	EACH
62 U 536	10B	A	0-132	1.75	0.165	2¹⁄₁₆x2¹³⁄₁₆"	2½	9.00
62 U 525	116	B	0-140	9.0	1.0	6½x4⅝"	12	26.00

terado 110-AC LINE VOLTAGE ADJUSTERS

C

D

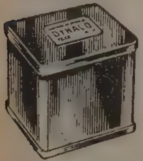
C Model 50-172 "Saturn" Adjuster. Changes regular AC line input by 25 volts above or below normal level. Has built-in AC voltmeter for accurate voltage control. Capacity, 300 watts continuous; 500 watts intermittent. Overall size, 5½x3x2¼". Shpg. wt., 3 lbs.
94 U 449..........................14.65

D Model 50-173 "Jupiter" Adjuster. Increases or decreases speed of electric hand tools, such as drills, saws, and others. Changes regular AC line voltage 20 volts above normal, or lowers voltage in seven steps to 50 volts. Capacity, 300 watts continuous; 500 watts intermittent. Size, 5½x3½x2¼". Wt., 3 lbs.
94 U 450..........................12.63

D Model 50-203 "Planet" Adjuster. Designed to increase the efficiency of light duty motorized equipment, hi-fi, and portable TV. Output ranges from 95 to 135 volts with normal 110-120 volt AC supply. Capacity, 150 watts continuous; 300 watts intermittent. Overall size, 5½x3x2¼". Shpg. wt., 2 lbs.
94 U 451..........................7.80

D Model 50-204 "Polaris" Adjuster. Similar to "Planet" adjuster above, but designed for higher wattage equipment. Output adjustable from 95 to 135 volts. Capacity, 300 watts continuous; 500 watts intermittent. Size, 5½x3x2¼". Shpg. wt., 3 lbs.
94 U 452..........................9.20

DYNACO HI-FI TRANSFORMERS



Feature very low distortion. Para-coupled windings ensure accurately balanced coil with tight coupling between sections. Also has massive core of thin gauge steel. Virtually eliminates critical balancing of output tubes. A-441 has tertiary winding with taps for either screen or cathode connection. All others have screen taps on primary, 8 and 16-ohm secondaries, except *4, 8, 16 ohms. †4, 8, 16 ohms and 70.7 v.

Stock No.	Mfr's Type	Pri. Ohms	Output Watts at 30 to 15,000 cps	Output Watts at 20 to 20,000 cps	Size HWD	Wt., Lbs.	EACH
61 U 981	A-410	8000	30	15	3¾x3x2⅞"	5	14.95
61 U 982	A-420	6600	60	30	4½x3½x3¾"	7	19.95
61 U 984	A-431*	4300	120	60	5x4⅝x4"	14	34.95
61 U 985	A-431-70†	4300	120	60	5x4⅝x4"	14	39.95
61 U 974U	A-441*	4300	240	120	6x4¾x5⅞"	24	39.95
61 U 975U	A-451*	2200	240	120	6x4¾x5⅞"	23	39.95

G. E. "VOLT-PAC" VARIABLE TRANSFORM

- High Current Capacity for Its Siz
- Positive Contact Carbon Brush
- Quick-Transfer Current Collector

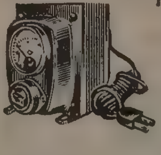
Type 9T92Y1. Manually operated variable transformer wi current capacity for its physical size. Features even-flow h and ring. Grain-oriented solid-carbon brush provides posit tact and low resistance. Specially coated brush-track, and co resistant parts throughout. Solid-carbon grain-oriented bru struction reduces circulating currents, lowers brush tem and improves performance. Input of 120 volts gives 0 to output at 2.5 amps, 60 cycle. When used on 50 cycles, o limited to rated input voltage. Mounts on panels up to ³⁄₁ Terminal board designed for use with push-on lugs or sol nections. Imprinted with connections for line and load. 2⅛" clearance behind panel for installation on rack or equ Size, 3⅜x2⅞x3". Shpg. wt., 3 lbs.
63 U 099..................................

Acme ACME Electri

TYPE T8394M VOLTAGE ADJUS

Constant-duty, tapped-winding former. Use when line voltage is or above normal for long periods of Rated 300 watts. Correct volta manually adjusting 7-position s until built-in voltmeter reads 115-v put. Regulating input switch pos for 95, 100, 105, 110, 115, 120 an volt 50-60 cycles. Secondary receptacle for connection to able circuit. 8-ft. line cord. 4¾x4x5". Wt. 6 lbs.
62 U 514..................................

TYPE T10306 VOLTAGE ADJUS



Constant-duty 150 watt step-up or down transformer to correct line vo Built-in voltmeter indicates seco output voltage. Primary tapped f 75, 90, 100, 115, 130 and 145 volts, cycles. Secondary output, 115 Non-aging, silicon steel lamination pregnated coils. Rotary tap swit foot cord, plug, output receptacle. 4¼x4¼x4¼". Mtg. ctr. 5¼x3¼". Wt., 7 lbs.
62 U 501..................................15

UTC STANDARD PHOTOFLASH TRANSFORMER

PF-1, PF-5

Can be used for either standard (Amgl or trigger (Sylvania) multiple flash tu

Type PF-1 Power Transformer. Pri., 115 v cycle AC. Secondary with 2X2 recti livers 2200 v., DC to capacitor up to 1 2X2. Fil. tap 2½x3¾x2⁵⁄₃₂". 2½ lbs.
62 U 230..................................

Type PF-3 Trigger Transformer. (Not With PF-1 above, triggers (Sylvania flash tubes. 15 KV peak. Dia., ⅞". 3 6 oz.
62 U 232..................................

UTC TRANSISTOR PHOTOFLASH TRANSFORMER

Miniaturized lightweight units for transistor-type photoflas ply. For 115 v., AC or portable battery operation.

Type PF-5 Power Transformer. Has 2 primary windings: one v., 50-60 cycle AC; the other for 4½-v. battery-powered tran switched by the PF-6 inverter transformer, below. Seconda put with voltage doubler: 400 VDC to charge photoflash cap Mounting center, 2⅜". 1⅞x2¹³⁄₁₆x1¾". 1 lb.
63 U 527..................................

Type PF-6 Inverter Transformer. (Not illus.) Transforms 4½-V AC, to drive PF-5, above. ⅞x1³⁄₁₆". 2 oz.
63 U 528..................................

Type PF-7 Trigger Transformer. (Not illus.) Used with PF-5 and above to trigger flash tubes. .25-mfd capacitor, discharging th tapped winding, gives 6-KV pulse. ⅞x¹⁵⁄₁₆". ½ oz.
63 U 529..................................

STANCOR TV Replacement Transformers

ORIGINAL-REPLACEMENT TV HORIZONTAL OUTPUT TRANSFORMERS

Top-quality replacement flyback transformers for standard TV receivers. Every transformer faithfully duplicates electrical and physical characteristics of original unit. Manufacturer's own specifications used; performance is identical in every respect. Minimum alteration required in existing circuit or chassis. Constructed of high-quality materials. *For 77J1 except where 6CD6 horizontal output tube is used. Av. wt., 1 lb.

ADMIRAL

Type	Orig. Mfr's Part No.	EA.
A-8133	79C30-1/-3	11.10
A-8134	79C30-2/-4, 79C38-1, 79D38-1	11.10
A-8254	79C60-1	7.20
A-8255	79C60-2/-3	8.10
A-8135	79D41-1/-2	10.38
A-8253	79D48-1	8.10
A-8292	79D65-1	8.10
HO-301	79D65-2/-4	8.10
HO-304	79D77-2	9.00
HO-351	79E77-11/14/15	9.00
HO-381	79D83-14/-15	7.80
HO-382	79D83-18	7.44
HO-383	79D83-10/-11	7.80
HO-384	79D83-16/-17	7.80
HO-385	79D109-3	7.80

AIRLINE

HO-386	360998-1	8.52
HO-387	TR-79	8.52

CAPEHART

A-8285	850220B-1,850220D-1, 850285D 850285E-1	9.00

CBS-COLUMBIA

A-8231	10136B/37/38/59	9.00

CROSLEY

A-8263	158481-1/-2/-5	8.10
HO-305	159947-1/-2	9.60

EMERSON

Stock No.	Type	Orig. Mfr's Part No.	EA.
64 U 333	A-8232	738067/68/69/73/ 74/75/82	9.00

GENERAL ELECTRIC

64 U 546	A-8130*	77J1	9.00
63 U 471	A-8290	RTO-166/5	7.20
63 U 470	HO-254	RTO-179/88	8.10
61 U 568	HO-377	WT77X43/44/45	9.00

MAGNAVOX

63 U 474	A-8295	360614-1, 360623/-1	9.00
61 U 253	HO-331	320055-1/61-1/-3	9.60
61 U 254	HO-332	360580-1/604-1	8.10

MOTOROLA

64 U 325	A-8224	24C711265/A, 24C721290	9.96
64 U 327	A-8226	24K721301/C, 24K721517C	9.96
63 U 971	HO-280	24K739284	10.38
63 U 972	HO-281	24K730902/03/04	10.50
63 U 973	HO-282	24C736487, 24K738699	9.90
61 U 213	HO-293	24C736488	9.60

MUNTZ

64 U 559	A-8132	TO-0031	9.60
64 U 283	A-8240	TO-0036	8.10

OLYMPIC

61 U 569	HO-315	TR-3599-5, 5A, 5D, TR-27837-2	9.00

PHILCO

63 U 438	HO-277	32-8465-2,32-8509/2	11.10
63 U 437	HO-276	32-8624/-1	11.76

PHILCO (Cont'd)

Stock No.	Type	Orig. Mfr's Part No.	EA.
64 U 485	HO-345	32-8855-1/-2/-5	8.10
64 U 486	HO-346	32-8830-1/2/3	8.10
61 U 561	HO-348	32-8799-1	6.90

RCA

63 U 969	A-8252	225T1	8.10
64 U 789	A-8235	75519, 75585, 76381	6.00
64 U 787	A-8233	76430, 76795	8.10
64 U 788	A-8234	76501	6.00
64 U 786	A-8244	78201, 78810	8.10
61 U 258	HO-320	10389 (50-94292-1)	8.10

SILVERTONE

64 U 332	A-8231	10136B/37/59	9.00
63 U 969	A-8252	N24989	8.10
64 U 493	HO-353	80-1-3/Q, 80-3/3F, 80-4-3/F, 80-6-3/B C80/-1-3B/F/H/S	9.00
61 U 562	HO-388	80-26-3	8.52

SPARTON

63 U 974	HO-284	PC-700-10/6,-12/F	7.74

SYLVANIA

63 U 443	HO-259	241-0011	8.10
61 U 258	HO-320	241-0046	8.10

WESTINGHOUSE

64 U 284	A-8236	V-11548-1/-2/-3/-4	9.00

ZENITH

63 U 448	HO-271	S-22451, S-23438	7.50
61 U 563	HO-380	S-58350, S-68398, S-66717	10.80

TV DEFLECTION YOKES

eflection picture tubes, except *90°; †110°. errite cores and cosine-wound windings for matic focusing. Most have networks and leads. Av. shpg. wt., 1½ lbs.

Type	Horizontal	Vertical	EACH
DY-8A	8.5 mh, 14.5 ohms	50 mh, 52.5 ohms	9.00
DY-9A	13.5 mh, 17.5 ohms	50 mh, 53.5 ohms	9.30
DY-10A	30.0 mh, 45 ohms	3.5 mh, 3.5 ohms	9.90
DY-11A	20 mh, 31 ohms	50 mh, 50 ohms	9.90
DY-13A†	12.5 mh, 15 ohms	48 mh, 52 ohms	10.38
DY-14A	30 mh, 45 ohms	3.5 mh, 3.5 ohms	9.30
DY-16A†	20 mh, 26 ohms	44 mh, 45 ohms	10.80
DY-23A†	20 mh, 27 ohms	45 mh, 43 ohms	10.80
DY-26A†	19.0 mh, 34 ohms	11.5 mh, 16.5 ohms	11.40
DY-27A‡	17.5 mh, 35.5 ohms	12.3 mh, 13.5 ohms	11.40
DY-28A	24.0 mh, 36 ohms	3.2 mh, 3.4 ohms	8.10
DY-32A*	24.0 mh, 34 ohms	42 mh, 42 ohms	10.80
DY-33A	30.5 mh, 34 ohms	43 mh, 50 ohms	8.10
DY-39A†	13 mh, 22 ohms	40 mh, 41 ohms	9.90
DY-42A‡	30.4 mh, 47.2 ohms	34 mh, 34 ohms	10.80
DY-45A‡	18.6 mh, 35 ohms	14.8 mh, 13.8 ohms	13.20
DY-51A†	18.6 mh, 38 ohms	15 mh, 17.2 ohms	13.20

RTICAL DEFLECTION OUTPUT TRANSFORMERS

formers listed in table below are isolation types except her types. Av. shpg. wt., 2 lbs.

	Mfr's Type	Pri. Ohms	Turns Ratio	Size	Mtg. Ctr.	EACH
2	A-8112	1300	10:1	2x3¼x1¾"	2 13/16"	3.18
7	A-8123*	1200	11.4:1	2x3¼x1¾"	2 13/16"	3.18
7	A-8141*	1650	18:1	2¼x3¾x2⅛"	3⅛"	4.56
5	A-8143	625	10:1	2¼x2¼x3⅝"	3⅛"	3.68
6	A-8147*	300	6:1	2x1¾x3¼"	2 13/16"	3.15
7	VO-101*	675	12:1	2¼x3⅝x1¾"	3⅛"	3.61
8	VO-105*	740	44.5:1	2x3¼x1½"	2 13/16"	2.97
9	VO-108*	350	9:1	2x3¼x2"	2 13/16"	3.11
0	VO-111	1425	18:1	2x2x3½"	2 13/16"	3.56
1	VO-112	384	8:1	2¼x3⅝x2⅛"	3⅛"	3.66
2	VO-113*	1435	15:1	2 5/16x3¾x1⅞"	2⅜"	2.98
3	VO-115*	360	12:1	2 5/16x3¾x1⅞"	3⅛"	3.82
8	VO-116	1500	18:1	2 5/16x3¾x1 13/16"	3⅛"	3.98
9	VO-117	275	13:1	2 5/16x3¾x2 13/16"	3⅛"	4.11
0	VO-118	350	8:1	2 5/16x3¾x2"	3⅛"	3.98
1	VO-119*	385	8:1	2 5/16x3¾x1⅞"	3⅛"	3.73
2	VO-120*	235	7.5:1	2 5/16x3¾x2 1/16"	3⅛"	4.18
4	VO-126*	260	14.5:1	2 5/16x3¾x2"	3⅛"	4.43

REPLACEMENT TV POWER TRANSFORMERS

Supply plate, rectifier and filament voltages. Plate windings center tapped. Tinned, EIA coded leads. *Copper shielding band. †Halfwave. ††Use as 6.3 v. winding or 12.6 VCT in series.

Stock No.	Mfr's Type	Plate Volts	Plate DC Ma	Overall Size	Wt., Lbs.	EACH
63 U 430	P-6315	740	275	4¼x3¾x4½"	9½	14.65
64 U 578	P-8164*	600	225	4⅛x3 7/16x4½"	7½	17.33
63 U 458	P-8167*	560	400	6x3 13/16x4¾"	13	21.54
63 U 431	P-8170*	760	220	4¾x4x4¾"	10½	17.80
63 U 449	P-8172	540	200	4⅜x3⅛x3¾"	7	15.12
64 U 413	P-8331*	620	240	4½x3¾x4½"	9	15.42
64 U 416	P-8334*	550	305	5⅛x3¾x4½"	13	17.98
63 U 428	P-8352*	580	240	4⅞x3¾x4¾"	8½	14.74
63 U 272	P-8355*††	570	250	3 3/16x3¾x3⅛"	6½	12.66
63 U 273	P-8356*††	540	260	3¾x3⅜x3⅛"	6½	11.95
63 U 773	P-8369	325	240	5¼x3¾x4½"	11½	15.73
63 U 774	P-8370	310	320	6¼x3¾x4½"	14	17.66
63 U 775	P-8371	320/200	200/80	5⅛x3¾x4½"	11	14.45
63 U 776	P-8372†	150	250	4⅛x3¾x4½"	9	12.52
63 U 777	P-8373	280	....	4⅜x3⅛x3¾"	8	13.80
63 U 778	P-8374	235	260	4⅞x3¾x4½"	10	13.80
63 U 779	P-8375	283	210	4¾x3 3/16x4 9/16"	8½	15.73
63 U 780	P-8376	270	270	4⅛x3½x4¼"	8½	15.28
63 U 781	P-8377	270	260	3 11/16x3 3/16x3⅞"	7	13.80
63 U 782	P-8378	280/250	300	3 13/16x3 3/16x4⅝"	8	15.28

VERTICAL BLOCKING OSCILLATOR TRANSFORMER

Primary to secondary ratio permits operation in conventional vertical oscillators. Shpg. wt., ½ lb.

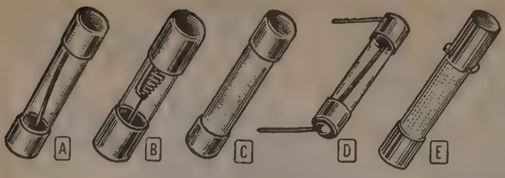
Stock No.	Mfr's Type	Pri.: Sec. Ratio	Size H W D	Mtg. Ctr.	EACH
64 U 558	A-8125	1:4.2	1 3/16x2 3/16x1¼"	1¾"	2.09

NEW! COLOR TV REPLACEMENT COMPONENTS

Specially designed for Color TV. P-9000C 117 v., 60 cycles. VO-700C 10:1 pri./sec. Pri. imp., 7.5K @ 32 MADC. DY-90AC ind. in mhy, 12 Hor., 39 Vert. Res. in ohms, 6.5 Hor., 23 Vert.

Stock No.	Mfr's Type	Description	Size	Wt. Lbs.	EACH
61 U 591	P-9000C	Power Transformer	4⅛x3½x4⅞"	12	17.64
61 U 592	VO-700C	Vert. Output Trans.	2¼x2¼x3⅝"	1½	4.17
61 U 589	HO-600C	Flyback Transformer	....	2	10.35
61 U 590	DY-90AC	Deflection Yolk	6⅞"dia.,4¼"l	5	23.76

Littelfuse Fuses and Fuse Holders



TYPE 3AG STANDARD FUSES

A **Series 312000.** Quick-acting fuses for short time-lag uses. High temperatures do not affect characteristics. Max. v., 250; except *125, †32 v. 1¼" long x ¼" dia. Pkg. wt. 2 oz. **5 fuses per pkg.**

Amps	Stock No.	PKG. OF 5 1-19	PKG. OF 5 20-Up	Amps	Stock No.	PKG. OF 5 1-19	PKG. OF 5 20-Up
1/100	53 U 600	1.74	1.45	2	53 U 119	.28	.24
1/32	53 U 601	1.53	1.28	2-½	53 U 657	.25	.21
1/16	53 U 107	.69	.58	3	53 U 120	.25	.21
1/8	53 U 108	.69	.58	4	53 U 121	.36	.30
15/100	53 U 654	.69	.58	5	53 U 122	.36	.30
3/16	53 U 110	.69	.58	6	53 U 125	.36	.30
2/10	53 U 656	.69	.58	8*	53 U 126	.54	.45
1/4	53 U 111	.45	.38	4†	53 U 703	.25	.21
3/10	53 U 112	.45	.38	5†	53 U 704	.18	.15
3/8	53 U 113	.45	.38	6†	53 U 709	.18	.15
1/2	53 U 114	.45	.38	7-1/2†	53 U 710	.18	.15
6/10	53 U 115	.45	.38	10†	53 U 705	.18	.15
3/4	53 U 116	.45	.38	15†	53 U 706	.18	.15
1	53 U 117	.28	.24	25†	53 U 707	.21	.19
1-1/2	53 U 118	.28	.24	30†	53 U 708	.21	.19

TYPE 3AG SLO-BLO FUSES

B **Series 313000.** High time-lag to stand heavy surges. For circuits having high inductive or capacitive surges. Units through 5 amps are U.L. Listed. Max. v., 125; except *32 v. Size: 1¼" long and ¼" diameter. Wt. per pkg. 2 oz. **5 fuses per package.**

1/100	53 U 073	1.29	1.08	1-2/10	53 U 643	.90	.75
1/32	53 U 074	1.29	1.08	1-1/4	53 U 090	.90	.75
1/16	53 U 075	.96	.80	1-1/2	53 U 091	.90	.75
1/10	53 U 076	.96	.80	1-6/10	53 U 092	.90	.75
1/8	53 U 077	.96	.80	2	53 U 093	.90	.75
15/100	53 U 078	.96	.80	2-1/2	53 U 094	.69	.58
.175	53 U 079	.96	.80	2-8/10	53 U 099	.69	.58
3/16	53 U 080	.96	.80	3	53 U 095	.69	.58
2/10	53 U 081	.96	.80	3-2/10	53 U 096	.69	.58
1/4	53 U 082	.96	.80	4	53 U 097	.69	.58
3/10	53 U 083	.96	.80	5	53 U 098	.69	.58
3/8	53 U 084	.96	.80	6-1/4*	53 U 100	.69	.58
4/10	53 U 641	.96	.80	7*	53 U 644	.69	.58
1/2	53 U 085	.96	.80	8*	53 U 101	.69	.58
6/10	53 U 086	.96	.80	10*	53 U 102	.69	.58
7/10	53 U 642	.96	.80	15†	53 U 103	.69	.58
3/4	53 U 087	.96	.80	20*	53 U 104	.69	.58
8/10	53 U 088	.96	.80	25*	53 U 105	.69	.58
1.	53 U 089	.96	.80	30*	53 U 106	.69	.58

TYPE 3AB FUSES

C **Series 314000.** Steatite powder-filled; for high-current use. Medium time-lag. 1¼x¼". Max. v., 250; except *125. Types thru 15 amps, U.L. Listed. Wt. per pkg. 2 oz. **5 fuses per pkg.**

1/4	53 U 712	.63	.53	8	53 U 721	.57	.48
1/2	53 U 714	.63	.53	10	53 U 722	.57	.48
3/4	53 U 715	.63	.53	12	53 U 723	.60	.50
1	53 U 716	.60	.50	15	53 U 724	.60	.50
2	53 U 717	.60	.50	20*	53 U 725	.60	.50
3	53 U 718	.60	.50	25*	53 U 726	.72	.60
5	53 U 719	.57	.48	30*	53 U 727	.72	.60

TYPE 3AG PIGTAIL FUSES

D **Series 318000.** Fast-acting type. All have 1½" tinned copper leads. Max. v., 250. Size: 1¼x¼". 2 oz. **5 fuses per package.**

1/4	53 U 017	.69	.58	1	53 U 239	.54	.45
1/2	53 U 018	.69	.58	2	53 U 638	.54	.45
3/4	53 U 640	.69	.58	3	53 U 639	.54	.45

TYPE 8AG FUSES

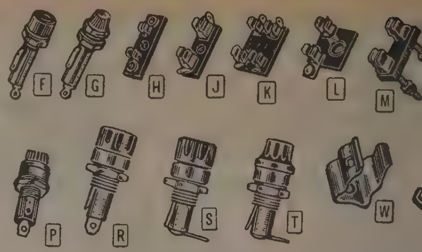
A **Series 361000 Fast-Action Instrument Fuses.** Rated 250 max. volts except * which is 125. 1x¼". 2 oz. per pkg **5 fuses per pkg.**

Amps	Stock No.	PKG. OF 5 1-19	PKG. OF 5 20-Up	Amps	Stock No.	PKG. OF 5 1-19	PKG. OF 5 20-Up
1/500	53 U 214	4.68	3.90	3/8	53 U 221	.45	.38
1/200	53 U 215	1.95	1.63	1/2	53 U 222	.45	.38
1/100	53 U 216	1.74	1.45	1	53 U 224	.33	.28
1/32	53 U 217	1.53	1.28	1½	53 U 225	.33	.28
1/16	53 U 218	.96	.80	2	53 U 235	.33	.28
1/10	53 U 658	.69	.58	3	53 U 236	.33	.28
1/8	53 U 219	.69	.58	4*	53 U 662	.33	.28
1/4	53 U 220	.45	.38	5*	53 U 237	.33	.28

TYPE SFE 32-VOLT AUTO FUSES

A **Series 307000.** Medium-acting fuses. Sizes specified by S.A.E. Specially grooved element strengthens fuses against vibrations. U.L. Listed. Max. volts 32. ¼" dia. 2 oz. per pkg. **5 per pkg.**

Amps	Stock No.	Length	PKG. OF 5 1-19	PKG. OF 5 20-Up	Amps	Stock No.	Length	PKG. OF 5 1-19	PKG. OF 5 20-Up
4	53 U 287	⅝"	.21	.18	14	53 U 291	1 1/16"	.16	.13
6	53 U 288	¾"	.21	.18	20	53 U 292	1¼"	.16	.13
7½	53 U 289	⅞"	.18	.15	30	53 U 293	1 7/16"	.21	.18
9	53 U 290	⅞"	.18	.15					



FUSE MOUNTINGS, RETAINERS, POSTS

Fuse holders for every application. *With fuse. Av. shpg. wt

Stock No.	Mfr's Type	Fig.	For Fuses	Description
53 U 000	341001	F	3AG, 3AB	Screw slot
53 U 011	442001	G	4AG	Thumb knob
53 U 001	342001	G	3AG, 3AB	Thumb knob
53 U 013	372001	G	8AG	Thumb knob
53 U 009	357001	H	3AG, 3AB	Lug terminals
53 U 015	387001	H	8AG	Lug terminals
53 U 008	356001	H	3AG, 3AB	Screw terminals
53 U 006	350218	J	3AG, 3AB	Single fuse mtg.
53 U 016	387002	K	2-8AG	Double fuse mtg.
53 U 010	357002	K	2-3AG or 3AB	Double fuse mtg.
53 U 014	383002	L	8AG	"Meter-back" mtg
53 U 007	353001	M	3AG, 3AB	Panel type mtg.
53 U 248	155009	N	*SFE, (9 a.)	Inline fuse retainer
53 U 249	155014	N	*SFE, (14 a.)	Inline fuse retainer
53 U 294	155020	N	*SFE, (20 a.)	Inline fuse retainer
53 U 002	342012	P	3AG	Extractor post
53 U 003	342014	R	3AG	Miniature fuse pos
53 U 004	342004	S	3AG	Miniature fuse pos
53 U 005	342022	T	3AG	Miniature fuse pos

53 U 238. Fig. W. Type 101001 Fuse Clips. Fit SFE, 3AG 3AB fuses. Shpg. wt. 10 pcs., 1 oz. . . . .

53 U 323. Fig. X. Type 350130 Fuse Holders. Fit 3AG fu wt., 2 oz. 1 oz. . . . .

TYPE 3AG INDICATING FUSE PO

Light when fuses blow. Mount in ⅝" "D" quire 1 9/16" behind panel. With lamps. *Fus voltage—20 amps max. Wt. 2 oz.

Stock No.	Type or MS No.	*Volt Range	Knob Color
53 U 019	344006	2½-7	Amber
53 U 020	344012	7-16	Amber
53 U 021	344024	16-32	Amber
53 U 022	344125	100-125	Clear
53 U 023	344250	200-250	Clear

LIMITED-CURRENT BAYONET FUSES

E TV fuses for 346000 bayonet-lock fuse holders only. Seri rated 125 v.; 332000 250 except *125. 2 oz. **5 fuses per p**

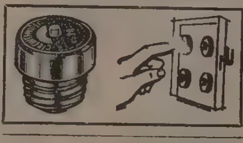
333000 Series (Slo-Blo N Type)

Amps	Stock No.	PKG. OF 5 1-19	PKG. OF 5 20-Up
.1	53 U 692	.99	.83
.25	53 U 295	.99	.83
.3	53 U 296	.99	.83
.4	53 U 297	.99	.83
.5	53 U 298	.99	.83
.6	53 U 299	.99	.83
.7	53 U 306	.99	.83
.75	53 U 307	.99	.83
1.0	53 U 308	.99	.83
1.25	53 U 309	.90	.75
1.6	53 U 310	.90	.75
2.0	53 U 311	.90	.75
2.5	53 U 693	.84	.70
3.0	53 U 694	.84	.70
4.0	53 U 695	.84	.70
5.0	53 U 696	.84	.70

332000 Series (Regular

Amps	Stock No.	PK 1-1
.25	53 U 312	.5
.3	53 U 313	.5
.375	53 U 314	.5
.5	53 U 315	.5
.75	53 U 316	.5
1.0	53 U 317	.3
1.25	53 U 697	.3
1.5	53 U 318	.3
1.75	53 U 698	.3
2.0	53 U 319	.3
2.5	53 U 320	.3
3.0	53 U 699	.3
4.0	53 U 700	.4
5.0	53 U 701	.4
6.0	53 U 702	.4
7.0*	53 U 321	.4

"MINI-BREAKER" CIRCUIT MINDERS



Precision circuit protec provide circuit breaker open overloaded circui with pushbutton. Fit Ed sockets. U.L. Listed. F AC. Shpg. wt., 3 oz.

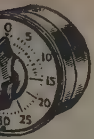
Stock No.	Amperes
53 U 245	15
53 U 246	20
53 U 247	30

G-C "SPEEDEX" FUSE PULLERS

Permits quick removal of cartri fuses. Has non-slip construction. La insulation of high dielectric material shock from dangerous high voltages

Stock No.	Mfr's Type	For Fuse Diameters	Shpg. Wt.
50 U 282	5525	¼" to ½"	6 oz.
50 U 296	5526	½" to 1½"	7 oz.

Timers, Foot Switches, Fuses, Circuit Breakers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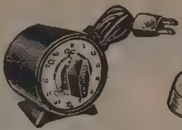
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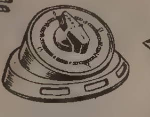
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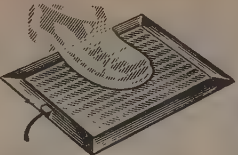
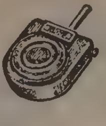

NF-2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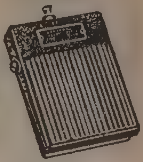

T-51-S

AUTOMATIC TIMERS AND FOOT SWITCHES

ARK-TIME TIMERS AND TIME SWITCHES

-Built-In Time Switches. Easily set for "off-type" or "on-. Easy to install. With hdwe. 28 amps, 125-240 VAC. U.L.

o.	Type	Timing Range	Dia. x Depth	Lbs.	EACH
9	74701	0 to 15 min.	2⁹⁄₁₆x1¹⁹⁄₃₂"	1	5.96
	74702	0 to 30 min.		1	5.96
3	74703	0 to 60 min.		1	5.96

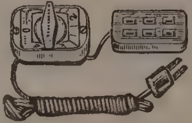
105. Turns off AC at any pre-set time up to 1 hr. Built-in AC 10 amps. 3⅜x3x3½". 110-125 v., 60 cycle AC. 1 lb. 6.38

Model 78174 Photo Time-Switch. As above, but for per- seconds. Adjustable stop for repeat settings............7.13

001 "Clock Watcher." Spring-driven timer. Times up to 60 ith bell tone. White finish. Shpg. wt., ¾ lbs. 2.96

4 AUTOMATIC TIMER

ot extension cord with built- omatic timer. Automatically ff TV sets, appliances, lamps, pads and decoration lights hours after timer is set. Con- p to 3 appliances at once. switch rated 10 amps. For volts, 60 cycle AC. Shpg. b.
91..................5.21


Automatically shuts off appliances up to four hours after you've set it.

RECORA FOOT SWITCHES

Model NF-2. Foot-operated switch frees hands for other work. Waterproofed—can be used indoors or out. SPST contacts rated 10 amps at 110 volts. Molded plastic. With 6-ft. cord, less plug. Size, ⅜x6x8". Shpg. wt., 2¼ lbs.
78 U 292............5.49

78 U 293. Type PSN-2. As above, but plug-in design. With cord and plug, plus standard AC receptacle. Shpg. wt., 2¼ lbs............6.27

"Switchmat" Switch. Similar to NF-2 above, except larger. Concealed, normally-open SPDT switch. Sensitive to 5 lbs. force. For 110 v. non-inductive loads up to 100 watts. ⅜" thick. 10-ft. cord.
78 U 355 X. 14x23". Shpg. wt., 11 lbs............13.97
78 U 356 X. 18x30". Shpg. wt., 19 lbs............19.85

"Announcemat" Chime Alarm. Footstep actuated alarm system for stores, offices and industry. Includes 18x30" "Switchmat" (above), transformer with 6′ cord, chime and 25′ cable. For 110-120 volts, 60 cycle AC. Shpg. wt., 17½ lbs.
78 U 358 X............23.89

LINEMASTER FOOT SWITCHES

Model T-51-S. Compact switch for low current-loads. SPDT momentary-contact switch rated 7 amps at 110-250 v. Skidproof rubber base. 1x2⅝x½". Shpg. wt., 7 oz.
78 U 383............2.75

78 U 384. Model T-51-SC. As above, but with 6-ft. cord and series plug. Shpg. wt., 8 oz............4.00

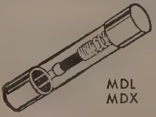
Model 491-S. Lightweight, momentary-contact switch with SPDT contacts rated 10 amps at 115 v. or 230 v., AC. Steel housing, skidproof base. 2⅞x2½x1⅛". Shpg. wt., 1 lb.
78 U 367............3.25

78 U 368. Model 491-SC. As above, but with 6-ft. cord and 2-prong series plug. Shpg. wt., 1¼ lbs............4.75

FUSES AND CIRCUIT-BREAKERS

TYPE MDL FUSETRON FUSES

-lag prevents needless blows from start- ts or surges. Operates instantly on high or shorts. Thermal cutout operates low overloads. Size, 1¼x¼". U.L. pg. wt. per pkg., 2 oz. **5 fuses per**


MDL
MDX

x. ts	Stock No.	PKG. OF 5		Amps	Max. Volts	Stock No.	PKG. OF 5	
		1-19	20-Up				1-19	20-Up
0	53 U 442	1.30	1.10	½	250	53 U 454	.95	.80
0	53 U 443	.95	.80	6/10	250	53 U 455	.95	.80
0	53 U 444	.95	.80	8/10	250	53 U 456	.95	.80
0	53 U 451	95	.80	1	250	53 U 461	.95	.80
0	53 U 407	.95	.80	2-8/10	125	53 U 466	.70	.60
0	53 U 452	.95	.80	4	32	53 U 468	.70	.60
0	53 U 453	.95	.80	5	32	53 U 469	.70	.60

LITTELFUSE FUSEMASTER KIT

clear-plastic rack displays 300 fuses. ith 100 assorted popular fuses, inventory backboard, pressure-sensitive blank in- labels, and mounting screws. 100 as- uses include: TYPE 3AG—ten ¼-amp, mp, five 1-amp, five 2-amp, five 5-amp. 3AG SLO-BLO—ten ¼-amp, five ½- e 1-amp, five 2-amp, five 3-amp, ten 5- YPE C—ten 3/10-amp. TYPE N—five p, five 4/10-amp, five ½-amp. With con- storage rack. Size, 11x7¾x2". Shpg. wt.,
1............12.42

LITTELFUSE

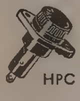
SERVICEMEN'S FUSE CADDIES

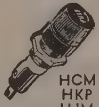
4041. Fits in tube caddy. 15 boxes of fuses (5 fuses per box). each of: Type C—.3, .5, .75, 2, 2.5, 7 amps; Type N (Slo- 5, .3, .5, .6, .7, 1, 1.25, 1.6, 2 amps. Rated 250 v., except 7 e, 125 v. Plastic case has 3 spare compartments. 1⅞x3x4¼". t., 2 lbs.
2............10.00

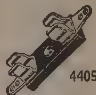
4037. As above but contains 14 boxes of fuses (5 per box). each of: Type C—2.5 amp; Type N—.25, 1, 1.25 amp; G—.25, .5, 1, 2, 3, 5 amp; Type 3AG Slo-Blo—.25, .5 amp; G-UL—.25, .5 amp. Also includes emergency kit with radio popular values. Shpg. wt., 2 lbs.
2............7.39

BUSS FUSE MOUNTINGS

Provide convenient mounting of fuses in radio and television sets, in automobiles, audio amplifiers, test equipment and similar applications. Fuses project beyond holder body for quick and easy replacement.


HPC


HCM
HKP
HJM

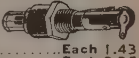

4405

All have solder terminals except †Type 4513 (not illustrated) which has screw terminals. *Made by G.C. Av. shpg. wt. 2 oz.

Stock No.	Type	For Fuses	EA.	Stock No.	Type	For Fuses	EA.
53 U 500	HPC	1³⁄₃₂x1½"	.53	53 U 480	4405	1¼x¼"	.14
53 U 477	HCM	⁹⁄₃₂x1¼"	.49	53 U 193	1749*	2½x⅜"	.14
53 U 475	HKP	¼x1¼"	.35	53 U 195	4513†	1⁷⁄₁₆x¼"	.40
53 U 478	HJM	1x¼"	.35				

TYPE HKL AND HKR INDICATOR FUSEHOLDERS

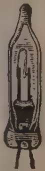
For 1¼x¼" fuses. HKL has neon indicator which lights when fuse is blown. HKL for use in 100 to 250-volt circuits. U.L. Listed. HKR is for 32-volt circuits; has incandescent indicator. 1 oz.
53 U 501. Type HKL............**Each 1.43**
53 U 502. Type HKR............**Each 2.35**



SYLVANIA "MITE-T-BREAKERS"

Automatic Reset Type. Wire directly into equipment to replace fusing. Handle rated current at 125 v. with min. trip currents of 200% rated current. Example: 1-amp breaker holds at 1 amp; trips at 2 amps. Hermetically sealed glass envelope. 1.26"x.39" dia.; 1" copper leads. U.L. Listed.

Remote Reset Indicating Type. Above except 24 v. rating. Also has tungsten filament which incandesces when breaker opens. Contacts held in open position until voltage is removed. Breaker returned to protective condition by manual remote reset. Wt. 2 oz.



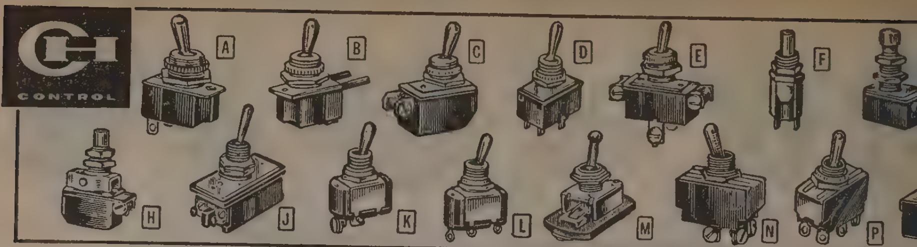
NON-INDICATING—AUTOMATIC RESET

Stock No.	Mfr's Type	Amps	EA.	Stock No.	Mfr's Type	Amps	EA.
34 U 075	MB-315	1	.30	34 U 078	MB-317	3	.30
34 U 076	MB-316	2	.30	34 U 079	MB-318	4	.30

INDICATING—REMOTE RESET

34 U 066	MB-215	1	.36	34 U 068	MB-217	2	.36
34 U 067	MB-216	1.5	.36	34 U 069	MB-218	2.5	.36

Cutler-Hammer Switches



AC-DC TOGGLE SWITCHES

LIGHT-DUTY TYPES

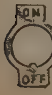
Convenient one-hole-mounting switches for installation on flat surfaces. Phenolic case. 15/32″ dia. threaded stem; 15/32″ stem length, except *1/4″. †6″ wire leads, ‡screw terminals—others solder lug terminals. U.L. and C.S.A. Approved. Av. wt., 3 oz.

Stock No.	Mfr's Type	Fig.	Amperes		EACH
			125V	250V	
SPST					
34 U 527	8280K14*	A	.....	3	.52
34 U 500	8280K16	A	.....	3	.52
34 U 784	8290K16†	B	.....	3	.64
34 U 786	8295K8‡	C	.....	3	.64
34 U 508	8381K8	C	6	3	.60
34 U 789	8391K8†	B	6	3	.71
34 U 791	8396K8‡	C	6	3	.71
SPDT					
34 U 528	8282K12*	D	3	1	.66
34 U 501	8282K14	D	3	1	.66
DPST					
34 U 529	8360K6*	D	.....	3	.95
34 U 502	8360K7	D	.....	3	.95
34 U 792	8370K7	D	6	3	1.02
34 U 793	8372K7‡	D	6	3	1.25
DPDT					
34 U 530	8363K6*	D	.....	3	1.09
34 U 503	8363K7	D	.....	3	1.09
35 U 943	8365K7‡	E	.....	3	1.44
34 U 632	8373K7	D	6	3	1.18
34 U 795	8375K7‡	E	6	3	1.51

PUSHBUTTON AC-DC TYPES

Momentary-contact. For controlling current by opening or closing of a door—i.e., operate lights in refrigerators, closets, etc. Have solder lugs, except *screw-type. Black button, except †1/4″ metal button. §Push-push type. U.L. Approved. Av. wt., 3 oz.

Stock No.	Mfr's Type	Fig.	Action	Lgth.	EA.
.75 Amp @ 125 V.—.25 Amp @ 250 V.					
35 U 987	8411K12*	F	SPST n.o.	15/32″	.40
34 U 548	8411K11	F	SPST n.o.	15/32″	.36
34 U 631	8411K13	F	SPST n.o.	1/4″	.36
35 U 988	8411K7*	F	SPST n.c.	15/32″	.30
34 U 547	8411K8	F	SPST n.c.	15/32″	.26
3 Amps @ 125 V.—1 Amp @ 250 V.					
34 U 549	8440K2	F	SPST n.o.	15/32″	.73
34 U 541	8440K3*	F	SPST n.o.	15/32″	.84
6 Amps @ 125 V.—3 Amps @ 250 V.					
34 U 515	7190K1	H	SPST n.o.	15/32″	.96
34 U 691	7196K1*	H	SPST n.o.	1/2″	1.07
34 U 518	7199K2	H	DPDT	15/32″	1.74
34 U 519	7208K4*§	G	SPST	11/16″	.82
33 U 828	8442K4†		SPST n.o.	11/32″	.80
15 Amps @ 125 V.—10 Amps @ 250 V.					
33 U 829	8444K4*†		SPST n.o.	11/32″	.86
35 U 538	8448K2*		DPST n.o.	1/32″	1.24



ON-OFF PLATE

Type 827-228F3. Designed to fit slot in threaded stem of toggle switches. Mounts vertically. Shpg. wt. for 10, 2 oz.

35 U 671............. Each .04

LIGHT-DUTY TYPES—PLASTIC

Rugged, all-plastic construction for resistance to moisture. Have maximum insulation for added safety. Fast operating. Solder-lug terminals; 11/32″ stem length. U.L. and C.S.A. Approved. Av. shpg. wt., 3 oz.

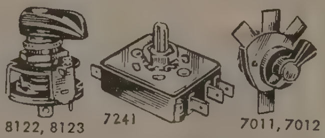
Stock No.	Mfr's Type	Fig.	Amperes		EACH
			125V	250V	
SPST					
35 U 663	8280K20	A	....	3	.52
35 U 664	8281K16	A	6	3	.60
SPDT					
35 U 665	8282K18	D	3	1	.66
DPST					
35 U 666	8360K12	D	.....	3	.95
DPDT					
35 U 668	8373K12	D	6	3	1.18

HEAVY-DUTY TYPES

J For control of moderate horsepower motors, etc. Have screw terminals; 15/32″ threaded stem and length. U.L. Approved except 8825K5 (Fig. P), which is JAN S-23; *rated 20 amps @ 28 v. DC. 3 oz.

Stock No.	Mfr's Type	Amperes		EACH
		125V	250V	
DPST				
34 U 545	7320K3	16	8	1.06
34 U 516	7360K8	15	10	1.83
34 U 517	7402K4	1½ hp	20	2.46
SPST				
34 U 520	7321K3	16	8	1.06
34 U 714	7361K5	15	10	1.83
DPDT				
35 U 669	8680K2	.....	5	3.17
34 U 715	8690K2	15	10	3.84
34 U 555	8825K5	10	*20	1.27

ROTARY AC-DC AND AC SWITCHES


8122, 8123 7241 7011, 7012

For fans, air conditioners, etc. Types 7011K1 and 7012K4 are AC-DC; have screw terminals; 3/8″ stem. Types 8122K4 and 8123K4 are for AC; have solder-lug terminals; 3/8″ stem. 7241K2 is for AC; has "quick connect" 1/4″ terminals; 5/16″ stem length. U.L./C.S.A. Approved. Av. shpg. wt., 6 oz.

Stock No.	Mfr's Type	Action	Amperes		EA.
			125V	250V	
35 U 658	7011K1	2 on, 1 off	5	2	1.11
35 U 659	7012K4	3 on, 1 off	5	2	1.14
35 U 660	8122K4	2 on, 1 off	3	....	.45
35 U 661	8123K4	3 on, 1 off	3	....	.48
35 U 662	7241K2	DPDT	1 hp	15	1.32

AC TOGGLE SWIT

LIGHT-DUTY TYPE

Slow make and break switche
amps @ 125 volts and 3 amps
except Type 7140K6, 3 amps
*Center-off positions. Have th
diameter of 15/32″; stem length,
†11/32″. Solder terminals, except
minals. U.L. Approved. Av. wt

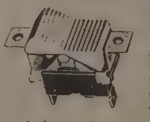
Stock No.	Mfr's Type	Fig.	A
34 U 640	7580K4‡	K	SI
34 U 641	7580K6	K	SI
34 U 522	7140K6†‡	M	SI
34 U 642	7581K4*‡	L	SI
34 U 643	7581K6*	L	SI
34 U 644	7582K4‡	L	SI
34 U 645	7582K6	L	SI
34 U 646	7590K4‡	N	D
34 U 647	7590K6	N	D
34 U 648	7591K4*‡	P	D
34 U 649	7591K6*	P	D
34 U 689	7592K4‡	P	D
34 U 690	7592K6	P	D

STANDARD-DUTY TY

Slow make, slow break switches
amps @ 250 volts AC and 15 a
volts AC. *Center-off. All hav
threaded stem, 15/32″ long. †Screw
‡solder terminals. U.L. Approved

Stock No.	Mfr's Type	Fig.	Ac
34 U 591	7500K14†	K	SP
34 U 534	7501K13‡	K	SP
34 U 592	7502K13*†	L	SP
34 U 796	7503K13*‡	L	SP
34 U 593	7504K4†	L	SP
34 U 536	7505K4‡	L	SP
34 U 594	7560K5†	N	DP
34 U 537	7561K4‡	N	DP
34 U 596	7562K4*†	P	DP
34 U 539	7563K4*‡	P	DP
34 U 595	7564K6†	P	DP
34 U 538	7565K5‡	P	DP
34 U 543	7611K2‡	R	3PS
34 U 523	7613K2*‡	R	3PI
34 U 798	7615K2‡	R	3PI

"ROCKETTE" APPLIANCE SV



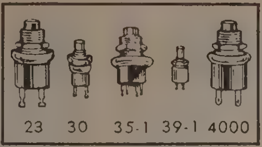
Actuator is
white nylon.
117/32″, includi
and termina
"quick-connec
terminals, exc
terminals. A
wt., 3 oz.

Stock No.	Type	Action
6 Amps @ 125 V.—3 Amps @		
35 U 700	8134K6	SPST
35 U 702	8134K3	SPDT
35 U 707	8132K6	DPST
35 U 709	8132K3	DPDT
15 Amps @ 125 V.—10 Amps @		
35 U 699	8144K7	SPST
35 U 339	8144K8*	SPST
35 U 704	8144K4	SPDT
35 U 718	8142K7	DPST
35 U 540	8142K8*	DPST
35 U 712	8142K4	DPDT

tary, Pushbutton, Slide, Lock and Knife Switches

GRAYHILL MINIATURE SWITCHES

UTTON SWITCHES



momentary contact, on switches with sol-ype terminals. Nor-en types (indicated table) have red but-rmally closed types l by n.c. in table) k buttons.

SERIES 23

e, over 500,000 operations. Shpg. wt., 2 oz.

Mfr's Type	Action	Amps @ 115 VAC	Size L x Dia.	Mtg. Hole	EACH
23-1	SPST n.o.	$\frac{1}{4}$	$1\frac{3}{64}$x$\frac{1}{2}$″	$\frac{21}{32}$″	1.05

SERIES 30

ture, over 1 million operations. Wt., 2 oz.

Mfr's Type	Action	Amps @ 115 VAC	Size L x Dia.	Mtg. Hole	EACH
30-1	SPST n.o.	1	$\frac{63}{64}$x$\frac{3}{8}$″	$\frac{17}{64}$″	.95
30-2	SPST n.c.	1	$\frac{63}{64}$x$\frac{3}{8}$″	$\frac{17}{64}$″	.95

SERIES 35

e, over 100,000 operations. Wt., 3 oz.

Mfr's Type	Action	Amps @ 115 VAC	Size L x Dia.	Mtg. Hole	EACH
35-1	DPST n.o.	$\frac{1}{2}$	$1\frac{17}{64}$x$\frac{51}{64}$″	$\frac{31}{64}$″	1.20

SERIES 39

iature, over 1 million operations. Wt., 2 oz.

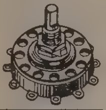
Mfr's Type	Action	Amps @ 115 VAC	Size L x Dia.	Mtg. Hole	EACH
39-1	SPST n.o.	$\frac{1}{2}$	$\frac{39}{64}$x$\frac{1}{4}$″	$\frac{11}{64}$″	1.00

SERIES 4000

ion, over 100,000 operations. Wt., 3 oz.

Mfr's Type	Action	Amps @ 115 VAC	Size L x Dia.	Mtg. Hole	EACH
4001	SPST n.o.	1	$1\frac{17}{32}$x$\frac{51}{64}$″	$\frac{31}{64}$″	.90
4002	SPST n.c.	1	$1\frac{17}{32}$x$\frac{51}{64}$″	$\frac{31}{64}$″	.90

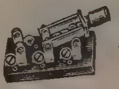
IES 19 POWER TAP SWITCHES



e, single-deck switches with a rating of t 125 volts, resistive. 30° indexing. All on terminals tinned for soldering. .080″ nmodates heavier gauge wire. U.L. Ap-ife in excess of 50,000 cycles. 5 oz.

Mfr's Type	Positions	EACH	Stock No.	Mfr's Type	Positions	EACH
19101-2UL	2	2.80	36 U 344	19101-7UL	7	3.30
19101-3UL	3	2.90	36 U 345	19101-8UL	8	3.40
19101-4UL	4	3.00	36 U 346	19101-9UL	9	3.50
19101-5UL	5	3.10	36 U 347	19101-10UL	10	3.60
19101-6UL	6	3.20	36 U 348	19101-11UL	11	3.70

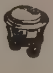
EAGLE KNIFE SWITCHES



ow-cost knife switches for heavy duty ns in power circuits. For motors, trans-ixing machines, or stage lighting. Pro-th, easy action. All units rated 25 amps, C. Have screw terminals and bakelite ot Type 617, porcelain. Av. wt., 2 oz.

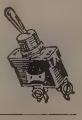
	Mfr's Type	Action	Size	Each
4	612	SPST	$1\frac{5}{8}$x1″	.24
6	613	SPDT	$2\frac{5}{8}$x1″	.28
7	614	DPST	$1\frac{3}{4}$x$1\frac{1}{2}$″	.49
8	615	DPDT	$2\frac{5}{8}$x$1\frac{5}{8}$″	.46
9	617	SPST	$3\frac{1}{16}$x$1\frac{1}{8}$″	.30

USH-MOUNT PUSHBUTTON SWITCH



Momentary contact. 6-leaf spider secures switch . Ideal for signaling bells, lights, etc. $\frac{1}{2}$″ shank rew terminals. Contacts are SPST, normally l button. Shpg. wt., 2 oz.
.... .45

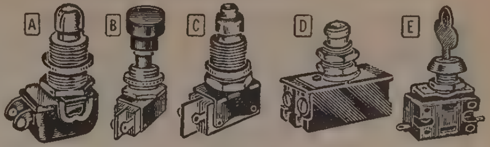
EW LOW-COST TOGGLE SWITCHES



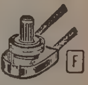
heavy-duty bat handle types. Enclosed in molded phenolic. Unique "Touch-A-Matic" s completely independent of toggle movement ced: 20A @ 125 VAC; 15A @ 250 VAC; 1 hp VAC. Shanks, $\frac{15}{32}$″-32; $\frac{15}{32}$″ long. *Screw †Solder terminals. Av. wt., 3 oz.

Mfr's Type	Action	EACH	Stock No.	Mfr's Type	Action	EACH
447*	SPST	.60	34 U 895	455*	DPST	.96
457†	SPST	.52	34 U 896	487†	DPST	.81
454*	SPDT	.71	34 U 897	453*	DPDT	1.18
479†	SPDT	.60	34 U 898	497†	DPDT	.96

ARROW-HART & HEGEMAN SWITCHES



PUSHBUTTON SWITCHES



Momentary-contact types except *push-on, push-off. All for 125 v. AC-DC, except †AC only. Have $\frac{15}{32}$″ dia. shanks; $\frac{9}{16}$″ long, except Type 80630, $\frac{7}{16}$″ long. Have solder lug terminals, except § screw-type. 3 oz.

Stock No.	Mfr's Type	Fig.	Action	Button Color	Amps	EACH
34 U 159	3391-GL†	B	SPST n.o.	Black	1	.74
33 U 830	3391-GL†	B	SPST-n.o.	Red	1	.74
34 U 124	3392-AE†	B	SP2-n.c.	Black	1	.91
34 U 129	3392 AE†	B	SP2 n.c.	Red	1	.91
33 U 846	80541-E†	F	SPST-n.o.	Black	3	.74
33 U 847	80541-ER†	F	SPST-n.o.	Red	3	.74
34 U 152	80630§	D	DPST-n.o.	Nickel	6	1.49
34 U 160	86710	C	SPST*	Nickel	3	.94
34 U 161	86710-C	B	SPST*	Red	3	1.12
34 U 162	86710-C	B	SPST*	Black	3	1.12

A TYPE 41047 ROTARY SWITCH

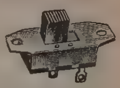
Designed for replacement applications in lamps and other medium current AC-DC appliances. SPST action. Rated 3 amps at 125 v.; 1 amp at 250 v. Has 6″ leads for easy installation. $\frac{3}{8}$″ diameter, with $\frac{5}{16}$″ shank. Shpg. wt., 2 oz.
34 U 165 .... .50

LOCK SWITCHES

E **Type 81715-L.** For use on power tools, appliances, etc. SPST contacts, rated 3 amps @ 250 volts; 6 amps @ 125 volts. Sleeve diameter, $\frac{15}{32}$″. Fits panels to $\frac{9}{32}$″ thick. $1\frac{3}{4}$x$\frac{27}{32}$x$\frac{29}{32}$″. Switch must be open to remove key. Shpg. wt., 4 oz.
34 U 156.. 1.63
34 U 128. Extra Key. For above. Wt., 1 oz........................ .16

E **Type 81715-LE.** Same as 81715-L switch above, but key is removable in open or closed position. Wt., 4 oz.
34 U 158.. 1.63
33 U 876. Extra Key. For above. Wt., 1 oz........................ .16

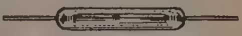
CONTINENTAL-WIRT ECONOMY SLIDE SWITCHES



AC-DC switches for transmitters, receivers, instruments, etc. Have cadmium-plated steel housing, except *nickel-finished. Solder-lug terminals. †Momentary. $\frac{35}{64}$x$1\frac{13}{32}$″, except 81574, $1\frac{3}{8}$x$1\frac{7}{32}$″; G126, 1x$\frac{13}{32}$″. U.L. Approved. Av. wt., 3 oz.

Stock No.	Type	Action	Amps@125V	Each
35 U 034	G124	SPDT	.05	.32
34 U 424	G126	DPDT	0.5	.40
35 U 035	G128	DP3P	.05	.54
35 U 023	G323	SPST	3.0	.24
35 U 025	G324	SPDT	3.0	.24
35 U 920	G325	DPST	3.0	.25
35 U 921	G326	DPDT	3.0	.36
35 U 037	†G337	DPDT	3.0	.40
35 U 039	G328	DP3T	3.0	.36
35 U 032	G338	DP4T	3.0	.72
35 U 922	G369	3PDT	3.0	.48
35 U 036	G342	4PDT	3.0	.65
33 U 853	*81574	SPST	3.0	.24
35 U 026	G623	SPST	6.0	.25
35 U 027	G624	SPDT	6.0	.25
35 U 033	G625	DPST	6.0	.34
35 U 084	G626	DPDT	6.0	.36
35 U 022	G1023	SPST	10.0	.36

G.E. DRY-REED SWITCHES



For electro-magnetic relays, position indicators, etc. Contain pair of magnetic, overlapping, contact bearing cantilever reeds, hermetically sealed in glass tube. Normally open. Shock and vibration resistant. Min. 20 million operations. 500 volt breakdown @ 60 cycles rms. Min. insulation res., 500,000 megs. —65° to +150°C. Resonant freq., 925 cps. Max. length, less leads, 2.10″; with leads, 3.21″; max. dia., 0.215″ except *less leads 0.84″; with leads, 2.03″; max dia. 0.105″. 2 oz.
34 U 979. Type DR100*. 4 volt amps........................ .80
34 U 978. Type DR101. 15 volt amps........................ .60
34 U 977. Type DR113. 50 volt amps........................ 1.13

Centralab and Mallory Switches

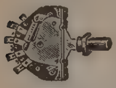
CENTRALAB ROTARY AND LEVER SWITCHES

MINIATURE PHENOLIC SWITCHES

PA-1000 Series. Rated 2.75 amps @ 15 v. DC, 230 ma @ 115 v. AC. 30° indexing adjustable stop. 1½x1 7/16" diameters; ½" spacing between sections. Shaft, 2¼" FMSx¼"; bushing ⅜x⅜". With 1¼" pointer knob and mtg. hdwe. 3 oz.

Shorting		Non-Shorting		Sec-tions	Total Poles	Pole Pos.	EACH
Stock No.	Type	Stock No.	Type				
35 U 050	1000	35 U 065	1001	1	1	2-11	1.98
35 U 051	1002	35 U 066	1003	1	2	2-5	1.98
35 U 052	1004	35 U 067	1005	2	2	2-11	2.82
35 U 053	1006	35 U 068	1007	1	3	2-3	1.98
35 U 054	1008	35 U 069	1009	3	3	2-11	3.57
35 U 055	1010	35 U 070	1011	1	4	2	1.98
35 U 056	1012	35 U 071	1013	2	4	2-5	2.82
35 U 057	1014	35 U 072	1015	4	4	2-11	4.17
35 U 059	1018	35 U 074	1019	2	6	2-3	2.82
35 U 060	1020	35 U 075	1021	3	6	2-5	3.57
34 U 975	1024	35 U 077	1025	2	8	2	2.82
35 U 063	1026	35 U 078	1027	4	8	2-5	4.17

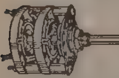
LEVER-ACTION PHENOLIC SWITCHES



Budget-priced phenolic-insulated switches featuring nylon rotor design. Rated 2.75 amps at 15 v. DC, 230 ma at 115 v. AC. Silver-plated clips and contacts. 1⅞x7/16" (1¼" behind panel). Mtg. bracket has two 6-32 tapped holes. With knob, hardware. 4 oz.

Shorting		Non-Shorting		Poles	Posi-tions	Action	EACH
Stock No.	Type	Stock No.	Type				
34 U 021	1452	34 U 026	1454	2	3	Positive	1.26
34 U 022	1453	34 U 027	1455	2	3	Moment.	1.26
34 U 023	1466	34 U 028	1467	2	3	Pos./Mom.	1.26
34 U 025	1456	34 U 030	1457	4	2	Moment.	1.44
34 U 024	1459	34 U 029	1458	4	2	Positive	1.44

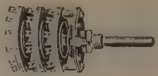
NEW 60° AND 90° INDEXING HAM SWITCHES



Bolted construction; single hole mounting. ⅜" -32NEF-2A threaded bushing. ⅜" long. ¼" dia. shaft, full round, 2¼" long from mtg. surface. Bushing and shaft cadmium-plated. ⅝" spacing between front plate and first section; ½" between sections. Res. load: 250 ma @ 115 VAC; 125 ma @ 230 VAC; 5 ma @ 1500 VAC; 1.75 amp @ 24 VDC. *2 to 6 active positions. †2 to 4 active positions. With knob, hardware. Av. shpg. wt., 6 oz.

60° Indexing*		90° Indexing†		Sec-tions	Total Poles	EACH
Stock No.	Type	Stock No.	Type			
35 U 105	2550	35 U 110	2542	1	1	2.37
35 U 106	2551	35 U 111	2543	2	2	3.36
35 U 107	2552	35 U 112	2544	3	3	4.32
35 U 108	2553	35 U 113	2545	4	4	5.34
35 U 109	2554	35 U 114	2546	5	5	6.30

MINIATURE STEATITE SW



PA-2000 Series. Ceramic rotar
Rated 2.75 amps @ 15 v. DC, 230
v. AC. 1½x1 7/16" dia.; ½" spacing b
tions. 30° indexing. Shaft 2¼" FM
dia.; bushing ⅜"-32 thread, ⅜"
has 1 off and 9 progressive shorting pos. Adjustable stop.
pointer knob, hdwe. Av. shpg. wt., 3 oz.

Shorting		Non-Shorting		Sec-tions	Total Poles	P P
Stock No.	Type	Stock No.	Type			
35 U 095	*2042	....	......	1	1	2-
34 U 900	2000	34 U 921	2001	1	1	2-
34 U 901	2002	34 U 922	2003	1	2	2-
34 U 902	2004	34 U 923	2005	2	2	2-
34 U 903	2006	34 U 924	2007	1	3	2-
34 U 904	2008	34 U 925	2009	3	3	2-
34 U 905	2010	34 U 926	2011	2	4	2-
34 U 906	2012	34 U 927	2013	4	4	2-
34 U 907	2014	34 U 928	2015	1	5	2-
34 U 908	2016	34 U 929	2017	5	5	2-
34 U 909	2018	34 U 930	2019	1	6	2
34 U 910	2020	34 U 931	2021	2	6	2-
34 U 911	2022	34 U 932	2023	3	6	2-
34 U 914	2024	34 U 933	2025	6	6	2-
34 U 913	2026	34 U 934	2027	4	8	2-
34 U 915	2028	34 U 935	2029	3	9	2-
34 U 916	2030	34 U 936	2031	2	10	2-
34 U 939	2038	34 U 940	2039	3	15	2-
34 U 942	2040	34 U 941	2041	3	18	2

UNIVERSAL AND INTERCOM SWIT

Phenolic-insulated rotaries. Cadmium-plated.
1000 v. AC. Rated 2.75 amps at 15 v. DC, 23
v. AC. Non-shorting; 30° indexing. Shaft, 1
Bushing, ⅜"-32 thread ⅜" long. *1" or †¾" be
§Positive in 2 pos., spring return in 3rd. With knob. Shpg

Stock No.	Type	Description
34 U 085	1450†	4PDT
34 U 087	1451†	4PDT, spring-return
34 U 054	1488*	6P, 3 pos., spring-return
34 U 055	1489*§	6P, 3 pos.

Intercom and Radio Switches. Phenolic, cadmium-plate
Same ratings and shafts as above §except 2⅜" for radio-p
input selectors, meter/speaker switching, etc. Silver-plated s
clips. All are †shorting and *non-shorting types. 1472 is fo
phono selector.

34 U 080	1460†	SPDT phono-radio switch.
34 U 081	1461†	SP-3-position selector
34 U 082	1462†	DPDT bandswitch
34 U 083	1463*	SPDT spring return
34 U 084	1464*	DPDT spring return
35 U 235	1472*	DP 3-position
34 U 073	1465†§	SP-4, AC line switch

MALLORY GANG SWITCHES

SINGLE-GANG SWITCHES

Compact, enclosed, low-voltage rotary switches. For bandswitching in receivers, transmitters, etc. Have 2" notched shaft; ⅜" threaded bushing, ⅜" long. Two base diameters, 1¼" and 1 11/16". 1¼" size has 30° indexing, 1 11/16" size, 20°. 1 11/16" types have adjustable stops. Breakdown rating: 500 VDC or VAC. Max. breaking current into res. load: 125 ma @ 300 VDC, 3A @ 6 VDC; 200 ma @ 300 VAC, 5A @ 6 VAC. Use with dial plates listed in right hand column. 4 oz.

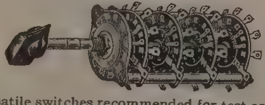
SERIES 3100J SHORTING TYPE

Stock No.	Mfr's Type	Poles	Posi-tions	Base Dia.	EACH
34 U 300	3115J	1	5	1¼"	1.02
34 U 301	31112J	1	12	1¼"	1.02
34 U 302	3122J	2	2	1¼"	1.02
34 U 303	3123J	2	3	1¼"	1.02
34 U 304	3126J	2	6	1¼"	1.02
34 U 305	3134J	3	4	1¼"	1.05
34 U 306	3142J	4	2	1¼"	1.05
34 U 307	3143J	4	3	1¼"	1.05
34 U 308	31117J	1	2-17	1 11/16"	1.56
34 U 309	3129J	2	2-9	1 11/16"	1.56
34 U 310	3136J	3	2-6	1 11/16"	1.65
34 U 311	3163J	6	2-3	1 11/16"	1.65

SERIES 3200J NON-SHORTING

34 U 350	3215J	1	5	1¼"	1.02
34 U 351	32112J	1	12	1¼"	1.02
34 U 352	3222J	2	2	1¼"	1.02
34 U 353	3223J	2	3	1¼"	1.02
34 U 354	3226J	2	6	1¼"	1.02
34 U 355	3234J	3	4	1¼"	1.05
34 U 356	3242J	4	2	1¼"	1.05
34 U 357	3243J	4	3	1¼"	1.05
34 U 358	32117J	1	2-17	1 11/16"	1.56
34 U 359	3229J	2	2-9	1 11/16"	1.56
34 U 360	3236J	3	2-6	1 11/16"	1.65
34 U 361	3263J	6	2-3	1 11/16"	1.65

MULTI-GANG SWITCHES



Versatile switches recommended for test equipment, meter switching and all types of low current applications. Heavily silver-coated contacting members have self-cleaning, contact-wiping action. 1 fixed and 1 adjustable stop, solid silver rotor contact slugs and phosphor-bronze springs. 3- and 4-gang types spaced 1"; all others, ½". 2" notched shaft. Shorting types make before break. Require 7/16" mtg. hole. With bar knob and hardware, less mtg. plate (use 34 U 600C plates at right). *Additional "off" positions with all circuits open. 8 oz.

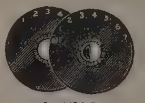
SERIES 1200L SHORTING TYPE

Stock No.	Mfr's Type	Gangs	Total Poles	Pos./Pole	EACH
34 U 201	1211L	1	1	2-11	2.10
34 U 206	1221L	2	2	2-11	2.58
34 U 207	1225L*	2	4	2-5	2.58
34 U 211	1231L	3	3	2-11	3.24
34 U 214	1241L	4	4	2-11	3.81
34 U 215	1245L*	4	8	2-5	3.81

SERIES 1300L NON-SHORTING TYPE

34 U 251	1311L	1	1	2-11	2.10
34 U 252	1315L*	1	2	2-5	2.10
34 U 253	1313L*	1	3	2-3	2.10
34 U 256	1321L	2	2	2-11	2.58
34 U 257	1325L*	2	4	2-5	2.58
34 U 258	1323L*	2	6	2-3	2.58
34 U 261	1331L	3	3	2-11	3.24
34 U 264	1341L	4	4	2-11	3.81
34 U 265	1345L*	4	8	2-5	3.81
34 U 266	1351L	5	5	2-11	4.11
34 U 267	1356L	5	10	2-6	4.53
34 U 268	1361L	6	6	2-11	4.83

DIAL PLATES

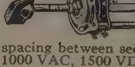


Wide selectio
plates for swi
tentiometers
stats. Types 3
for Series 1200
and for 3100J
with 1¼" bas
aluminum. Bl
ground. 1 13/16" dia. 7/16" hole. Shpg.

Type	Marking	Type	M
372	1 to 2	382	
373	1 to 3	383	Of
374	1 to 4	384	Of
375	1 to 5	385	Of
376	1 to 6	386	Of
377	1 to 7	387	Of
378	1 to 8	388	Of
379	1 to 9	389	Of
380	1 to 10	390	Of
381	1 to 11		

34 U 600C. Specify Type.
Two For..........

151L "HAMSWITCH"



For switc
gle meter
1 to 5 c
sections, 5
—1 pole p
Non-shor
spacing between sections; 60° indexi
1000 VAC, 1500 VDC. 3½" mtg dept
bushing, 2x¼" shaft. With knob,
washer. Shpg. wt., 6 oz.
34 U 318..........

13124L 24-POINT TAP SWI

Single circuit, 24 position, non-shorti
Continuous rotation. ⅜" bushing. 2
shaft. Useful in test equipment. 15°
between positions. With knob, dial
hardware. Shpg. wt., 6 oz.
34 U 295..........

Switches, Timers and Elapsed-Time Indicators

SWITCHCRAFT LEVER AND PUSH SWITCHES

TEL" SWITCHES

non-locking pushbut- switches for limited cations. One-piece but- ft. Red or black button. ns normally open; n.c. nally closed. Nickel silver contacts; tions are insulated. ⅜" threaded long. For low-level currents only. nting hardware. Shpg. wt., 3 oz.

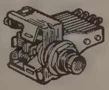
Mfr's Type	Button Color	§Action	EACH
101	Red	SPST n.o.	.54
102	Red	SPST n.c.	.54
103	Red	SPDT	.60
201	Black	SPST n.o.	.54
202	Black	SPST n.c.	.54
203	Black	SPDT	.60

ATED "LITTEL-LITE" SWITCHES

above, but clear plastic pushbutton lluminated by 6 or 28 v. lamp (not ee below right). 3 amps at 300 w. nductive load. With 4 color chips r, green, yellow). Shpg. wt., 4 oz.

Mfr's Type	Action	EACH
211S	SPST n.o.	1.11
212S	SPST n.c.	1.11
213S	SPDT	1.26

NATED "NF-LITE" SWITCHES



100. Pushbutton cate switching and nctions. Rated 3 w. max., AC non- With 4 color chips er, green, yellow). 1 5/16" behind panel; 8" hole in panels up x. Less lamp, below right. Wt., 4 oz.

Mfr's Type	Action	EACH
4101	SPST n.o.	1.17
4103	SPDT	1.26
4104	DPST n.o.	1.32
4106	DPDT	1.47
4109	3PDT	1.80

SWITCH WRENCHES

renches to fit milled- uts fur- n toggle, lever and button switches Adjustable sleeve on shaft holds y. Knurled handle provides sure, Shpg. wt., 10 oz.

Mfr's Type	Nut Size	EACH
A-1070	15/32"-32	3.99
A-1071	¼"-32	3.99

TYPE 900 MINIATURE "BUTTON" SWITCHES

Momentary-action pushbutton switches in metal housing. Each type has black plastic button. Type 913 is ½" long, fits 15/32" hole, and provides behind-panel mounting. Type 933 is ⅞" long, fits ¼" hole, and mounts from front. Both rated at 250 ma, 30 watts maximum, AC non-inductive. Both are SPDT. Shpg. wt., 2 oz.

35 U 418. Type 913......................90
35 U 420. Type 933......................1.05

CORD OR PENDANT-TYPE PUSHBUTTON SWITCH

Hand-held switch for remote control of recorders, lights, counters, etc. Momentary contact, SPDT switch in a nickel-plated sleeve. Rated 250 ma., 30 watts max. AC non-inductive. 1 1/16x2 1/16" long. Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Button Color	EACH
35 U 422	E903	Red	1.50
35 U 424	E913	Black	1.50

"LEV-R" SWITCHES

Series 3000. Require half the space needed for a lever switch. Silver contacts rated at 3 amps. 300 watts max. AC, non-inductive load. Non-locking types have spring return. 13/64" mtg. bushing; ⅝" wide; 2¼" behind panel; 15/16" mtg. hole. Type 3034 closes either of two circuits keeping the other open. Type 3035 opens one of two circuits keeping the other closed. *Same contact form for both sections on each side of switch. Shpg. wt., 3 oz.

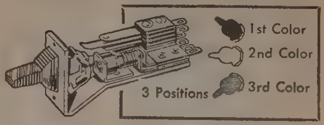
TWO-POSITION TYPES

Mfr's Type	Stock No. Locking Type	Stock No. Non-Locking Type	Action	EACH
3001	34 U 471	34 U 465	SPST	1.17
3003	34 U 472	34 U 466	SPDT	1.35
3004	34 U 473	34 U 467	DPST	1.50
3006	34 U 474	34 U 468	DPDT	1.65
3009	34 U 484	34 U 485	3PDT	2.04

*THREE-POSITION TYPES

3033	34 U 475	34 U 469	SPDT	1.50
3034	34 U 459	34 U 458	DPDT	1.56
3035	34 U 477	34 U 464	DPDT	1.56
3036	34 U 479	34 U 478	DPDT	1.74
3037	34 U 476	34 U 470	DPDT	1.77

ILLUMINATED LEVER SWITCHES



Series 25000. Illuminated color-coded switches indicate function and/or switch position. Replace switch and up to 3 indicator lamps, saving space and wiring costs. Nickel-silver springs. Silver contacts: 3 amps, 300 watts max., AC non-inductive. 1 7/32" high, 39/64" wide, 2¼" behind panel. With 6-volt lamp and 6 color chips (blue, red, amber, yellow, green, white). *Same contact form for both sections on each side of switch: 1-A for Type 25201, 25304; 1-C for 25306; 2-A for 25308; 2-C for 25206, 25312; 3-C for 25209. Shpg. wt., 3 oz.

TWO-POSITION TYPES

Mfr's Type	Stock No. Locking Type	Stock No. Non-Locking Type	Action	EACH
25201	36 U 280	36 U 272	SPST	2.40
25206	36 U 282	36 U 274	DPDT	3.00
25209	36 U 283	36 U 275	3PDT	3.45

*THREE-POSITION TYPES (Center-Off)

25304	36 U 284	36 U 276	SPST	2.70
25306	36 U 285	36 U 277	SPDT	3.00
25308	36 U 286	36 U 278	DPST	3.30
25312	36 U 287	36 U 279	DPDT	3.60

"FF" PUSHBUTTON SWITCHES

Non-locking type with rugged flat frame. Fine silver contacts rated 3 amps, 300 w. max. AC non-inductive. Insulated springs are form-free at flex point. One-piece black button and shaft. ⅜" dia. mtg. shank is ⅜" long. With locknut and washer. Shpg. wt., 3 oz.

Stock No.	Mfr's Type	Action	EACH
34 U 994	1001	SPST n.o.	.63
34 U 995	1002	SPST n.c.	.63
34 U 996	1003	SPDT	.72
34 U 997	1004	DPST n.o.	.78
34 U 998	1005	DPST n.c.	.78
34 U 999	1006	DPDT	.93
34 U 969	1009	3PDT	1.26

LAMPS FOR ILLUMINATED SWITCHES

For use with "Littel-Lite" and "NF-Lite" illuminated pushbutton switches, and Series 25000 illuminated lever switches. Wt., 2 oz.

7 U 359. Type 1768. 6-volt......................90
7 U 126. Type 335. 28-volt......................1.50

ENERAL ELECTRIC

LAPSED-TIME METERS

HOURS
GENERAL ELECTRIC

Economical n distinctive pearance and readability. ther G.E. nmonly used panels. Accusure elapsed rs and tenths to 99,999.9 so available hat measure ninutes and minutes—on der.) Digits are 2½ times larger st meters—speeds checking, reduces Vide temperature range of −67° F offers more flexible application, er life, and less maintenance. Reset e front-panel knob for quick and ing of meter. Conveniently located Panel-mount by 4 studs in mounting 5" diameter. All studs permanently n back of flange. For 110-130 v., 60 Shpg. wt., 1½ lbs.

NON-RESET TYPES

o.	Case Size	EACH
0	2½" Square	17.60
1	3½" Square	17.60

RESET TYPES

2	2½" Square	24.00
3	3½" Square	24.00

TIMERS AND ELAPSED-TIME INDICATORS

DA1102

RG2102

HAYDON
HOURS
ED71

ER35

HAYDON

TYPE DA1102 TIME-DELAY TIMERS

SPDT 20-amp switch. 125 volts, AC, resistive. Internal clutch—engages and disengages when motor is energized and de-energized. Have knob adjustment. Size, 3⅜x2 11/16x3⅛". U.L. Listed. Shpg. wt., 1 lb.

Stock No.	Time Range	EACH
78 U 230	0-14 seconds	12.75
78 U 231	0-57 seconds	
78 U 232	0-4.5 minutes	

TYPE RG2102 REPEATING-CYCLE TIMERS

Repeat a set cycle, or sequence of switching operations, while motor is energized. Wireable through convenient contacts for 1-cycle limit. Have adjustable time-cycle cam. SPDT 20-amp switch, 125 volts, AC, resistive, 50-60 cycle. Size, 3¼x2 5/16x2 9/16". U.L. Listed. Shpg. wt., 1 lb.

Stock No.	Time Range	EACH
78 U 251	1 minute	10.63
78 U 252	5 minutes	
78 U 253	15 minutes	
78 U 254	30 minutes	
78 U 255	60 minutes	

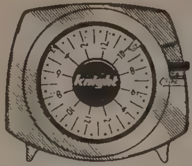
TYPES ED71 AND ER35 ELAPSED-TIME INDICATORS

Front/rear panel mtg. −12° to +55° C. **Type ED71:** non-resettable; registers to 9999.9; 11¼" leads; 1¾" sq., 2 31/64" deep. **Type ER35:** resettable; register to 99,999.9; 3½" dia. bezel, 2¾" deep; screw terminals. 120 v., AC, resistive. 1½ lbs.

Stock No.	Mfr's Type	Dial Readings	EACH
78 U 211	ED7112	Hours and tenths	16.79
78 U 212	ER3520	Minutes and tenths	19.13
78 U 215	ER3522	Hours and tenths	19.13

Timers for New Convenience in Home and Sh

NEW! KNIGHT ALL-PURPOSE TIMER



Automatically Turns Lights On or Off

$8.77

- Can be Set to "Skip-A-Day"
- Handles Loads of 1875 Watts
- U.L. Listed

Designed specifically for Allied—to give you greater convenience in the home or shop. Controls a wide variety of devices—makes virtually every electrical appliance automatic. Handles units rated up to 1875 watts (15 amps). Minimum "on" time is 15 minutes; maximum "on" time is 23¾ hours. Set it to turn house or yard lights on and off—gives your home a "lived-in look" when you're on vacation or out for an evening. Switches on your favorite TV or radio program, brews your morning coffee, even operates the household hair dryer. No need to run your window air conditioner all day—timer will start it an hour or two before you get home, saving you money while cooling the house. Works with lights that make indoor plants flourish, also tank lights and filter pump for the tropical fish aquarium. Well suited in darkroom for timed heating and drying jobs, and ventilating fans. During the holiday season, turns your Christmas displays on and off while you are out for the evening or week-end. Easy to use—unit to be controlled plugs into AC outlet on back of timer. Manual control with automatic reset. Size, 5x4x2½". Attractive Dove Gray case with Midnight Blue dial. Complete with 6-foot cord, plug, and instructions. U.L. Listed. For 110-120 volt, 60 cycle AC. Shpg. wt., 2 lbs.

78 U 420......................8.77

NEW PARAGON MULTI-PURPOSE TIME CONTRO

4000

7000

4000 SERIES 24-HOUR CONTROLS

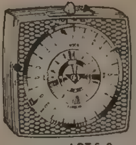
For lighted signs, window displays, heating units and similar applications. Provides up to 7 on-off operations per day—1½-hour minimum between settings. Double pole type switches 9600 watts on 3-wire load. "Skip-A-Day" feature (on 4003-OS and 4005-OS) eliminates operation for preselected days. 40 amps. U.L. Listed. 7 13/16x4⅛x2 15/16". 110-120 volt, AC. 2½ lbs.

78 U 000. Type 4001-O. SPST.........8.42
78 U 002. Type 4003-OS. DPST.........12.97
78 U 003. Type 4005-OS. SPDT.........12.97

7000 SERIES 7-DAY CONTROLS

Deluxe version of above—with 7-day calendar dial. Automatic on-off operation at different hours each day. 28 on-off combinations per week or 4 per day—3-hour minimum between operations. Omit one or more days completely if desired. T-rated action of 20 amps for Type 7007-0, and 40 amps on 7008-0. 4PST. U.L. Listed. 10⅞x7⅜x3⅝". 110-120 v., 60 cycle AC. 6½ lbs.

78 U 013. Type 7007-O. 4NO.........19.47
78 U 014. Type 7008-O. 2NO-2NC.........19.47



APT5-0

AT

APT5-O HOUSEHOLD T

Wake to fresh, hot coffee—let
you to sleep. You decide on and
timer doesn't forget. Skip a sche
out resetting. Makes virtually al
pliances automatic. 1800-watt
U.L. and C.S.A. Listed. 4⅜x4⅜
110-120 v., 60 cycle AC. Wt., 2 lb
78 U 055........................

MODEL PCT7-O. As above, with
Turns On at sunset, you select
Photocell may be bypassed for co
appliance use. 840-watt capacity
78 U 054........................

AT45-0 INTERVAL TIM

Excellent for sun lamps, vibrat
heating pads, cooking appliance
equipment. Buzzer signals end
period. Use with or without b
minute dial graduations for sett
acy. Simple friction setting. T
0-60 minutes. 3⅜x5⅛x2 3/16". 16
pacity. U.L. Listed. With 4-foo
110-120 v., 60 cycle AC. 1½ lbs.
78 U 008........................

MODEL AT3160-O. As above, with
840-watt capacity. 2⅝x4⅛x2⅜
78 U 009........................

FA-FF SERIES FLUSH-MOUNTED INTERVAL TIME CONT

For attic or window fans, yard lights, small air conditioners, oth
tions where permanent control installation is desired. Mount
standard outlet box, like a light switch. Molded ivory wall plate
with black numerals, and gold knob. ¾ HP rated. Size, 4½x2¾
110-120 volt, 60 cycle AC. Shpg. wt., ¾ lb.

78 U 010. Type FF15-0. 0-30 min. time range........................
78 U 011. Type FF51-0. 0-60 min. time range........................
78 U 012. Type FA51-0. 0-20 hrs. time range........................

ACRO SNAP-ACTION SWITCHES

LIGHT PRESSURE SWITCHES

A

B

C

D

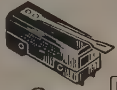
Miniature single-pole, double-throw switches for a variety of applications. Perfect for jobs where space is limited. Also when "pre-travel" distance, weight, or operating force are critical. Type 1CMD1-2AXX-A2A has a flat leaf actuator; Type 2CMD1-2AXX-A22 a wire leaf actuator; all others are basic pin plunger types.

Operating force for 1MD1-1A, 3-6 oz.; 2MD3-1A, 6-10 oz.; 1CMD1-2AXX, 20-27 gr.; 2CMD1-2AXX, 33-44 gr.; 1CMD1-2AXX-A22, 2.5 gr.; 2CMD1-2AXX-A24, 4 gr. Pre-travel for 1MD1-1A, 2MD3-1A, 1/32"; 1CMD1-2AXX, 2CMD1-2AXX, 0.040". Amp ratings are for 125-250 volts AC. U.L. Listed. Shock resistant. All have solder terminals. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Fig.	Basic Switch Size	Amps.	EACH
35 U 009	1MD1-1A	A	1⅝x9/32x53/64"	10	1.45
35 U 019	2MD3-1A	A	1⅝x9/32x53/64"	10	1.45
35 U 020	1CMD1-2AXX	B	1⅝x9/32x1 3/64"	3	1.45
35 U 021	2CMD1-2AXX	B	1⅝x9/32x1 3/64"	3	1.45
35 U 024	1CMD1-2AXX-A22	D	31/32x9/32x1⅝"	3	1.75
35 U 030	2CMD1-2AXX-A24	C	29/32x29/32x1 19/32"	3	1.75

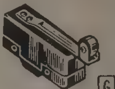
Allied has the world's largest selection of electronic components for experimenters, hobbyists, and builders. Looking for something special? Use the complete index in the back of this catalog to find the items you require. And remember, Allied's Credit Fund Plan makes it easy to get the things you need. See page 497 for details.

B SERIES SWITCHES WITH MICRO EQUIVALEN

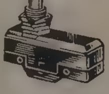


E

F



G



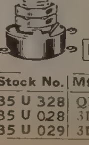
J

K

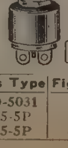
Long-life replace
micro-switch types
table below. All a
with step base d
screw terminals, ex
BRD2-5L, which ha
and solder terminals. Contacts rated ⅛ HP @ 125 v. AC,
250 v. AC; and 0.5 amp at 120 volts DC. A shpg. wt., 4

Stock No.	Mfr's Type	Micro Equiv.	Fig.	Basic Size
33 U 968	BRD2-5L	BZ-2RL	E	2 13/32x1 1/32x1
33 U 969	BRD2-1A-1S	BZ-2R-A2	F	1 15/16x31/32x1
33 U 970	BRD2-2M-1S	BZ-2RL2-A2	G	2 15/32x1 15/32x1
33 U 971	BRD2-5L-1S	BZ-2RL-A2	K	2 13/32x1 3/32x1
33 U 972	BRD2-7O-1S	BZ 2RD-A2	H	1 15/16x1 3/16x1
33 U 973	BRD2-1P-1S	BZ-2RQ1-A2	J	1 27/32x1 15/16x1

SNAP-ACTION PUSHBUTTON SWITCHES



L

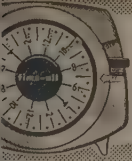


M

Momentary contact pus
switches. Type 3DO5-5P,
open; 3DC5-5P, normall
QPD-5031 wires either way
overtravel plungers with s
minals. Amp ratings at
Avg. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Fig. Type	Action	Size	Am
35 U 328	QPD-5031	L	SPDT	1 5/64x23/32" dia.	1
35 U 028	3DO5-5P	M	SPST	1 37/64x15/16" dia.	1
35 U 029	3DC5-5P	M	SPST	1 37/64x15/16" dia.	1

Intermatic Timers and Photoelectric Controls



Automatically Turns Lights On or Off
- U.L. Listed
- Handles Loads of 1875 Watts

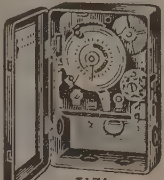
ME-ALL" MODEL A211-6
OMATIC APPLIANCE TIMER

asily set the "Time-All" to turn appliances on and off at times ate. The minimum "on" time is s; maximum "on" time is 23¾ n be set to skip operation for a ger. Device to be controlled plugs utlet on back of timer. Has man- ol with automatic reset. Timer -amp, 1875-watt load. With 6-ft. g. Champagne White Plaskon 2½". U.L. Listed. 110-120 v., 60 2 lbs.
........................9.71

21-6. Same as above, but designed 7-amp, 875-watt load. For light cations, as control of music sys- se, garage, or yard lights, and ller electrical appliances. Dove con case. Wt., 2 lbs.
........................8.96

ER"
ME
CHES

p to 12 perations. et to skip ore days.


T171

kipping" control cycle. Have two ne dial and a day dial. Days are inserting small skipping screws ial. "On" and "off" trippers are e dial. Special "cutout" tripper he day dial every 24 hours. Up to ons per day can be obtained by ppers. Range: minimum "on" or our; maximum 23 hours. Silver ated 40 amps (4375 watts, tung- 5 v. 7¾x5x3". U.L. Listed. For 60 cycle AC. Shpg. wt., 3 lbs.

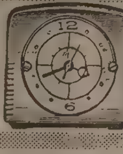
Type	Action	EACH
T171	SPST	11.67
T173	DPST	12.97
T175	SPDT	12.97

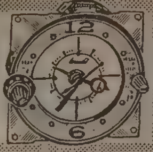
RS AND SKIPPING SCREWS

9GR. "On" Cutout Trippers. For switches only. 3 oz.
........................Each 30c

. Skipping Screws. For "Skipper" nly. 8 oz.
........................2 for 13c

A. "On and Off" Trippers. For all cept T185. 2 oz.
........................Per Set 40c


A501


RC5421-4

MODEL A501 MUSIC-MINDER

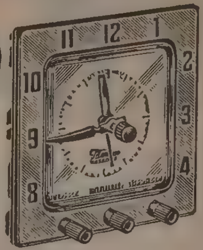
Electric clock with Sleep Switch and Buzzer Alarm. Lets radio play up to 60 minutes before automatically shutting it off. Automatically turns radio on again in morning. Buzzer alarm sounds 10 minutes later to ensure arousing heavy sleepers. AC outlet on back takes 1875-watt loads (15 amps). Desert Sand Plaskon case. With 6-ft. cord. 4½x4¾x2¼". U.L. Listed. Wt., 2 lbs.
78 U 267........................8.96

RC5421-4 RADIO CLOCK-TIMER

Similar to Music Minder above, but uncased. Turns on radio or appliance automatically at any pre-set time within 12 hours. Sleep Switch turns radio or appliance off at any pre-set time up to one hour. All controls on front panel. Brass bezel, soft white-and-brown dial. Tan knobs. Rated 15 amps, 1875 w. 3½" square; 2" deep. Four 5/32" mtg. holes on 3 13/64" center. U.L. Listed. For 110-120 v., 60 cycle AC. 1 lb.
78 U 499........................7.28

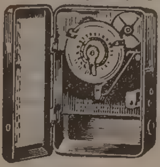
TELECHRON CLOCK-TIMER

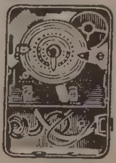
Electric Clock, Automatic Time Switch



Excellent value in a famous-name combination electric clock and automatic time switch. Use for radio, hi-fi air conditioner, coffee-maker, etc. SPST switch rated 15 amps at 125 volts AC. Select manual "on" and "off" operation, or automatic appliance control at pre-selected time within 12 hours. Automatic operation can also be used with signal alarm sounding 10 minutes after "on" cycle begins. Or, select a definitely timed "on" cycle of up to one hour duration—use with radio as "sleep switch." Gold finish case: 3½x3½x1 13/16" deep. For 110-120 volts, 60 cycle AC. Shpg. wt., 2 lbs.
78 U 438........................5.44

TIME SWITCHES


T101


P101

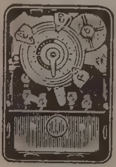
TYPE T101 TIME SWITCH

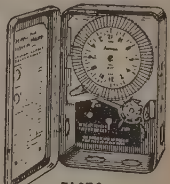
SPST time switch turns equipment on and off once in 24 hours. Can be activated up to 12 times a day with extra trippers (use Type 107T8A listed at the lower left of page). Minimum time between settings is one hour. Long-lasting Alloy-T contacts resist pitting and welding. Motor is visible for inspection. Contacts handle 40 amps (4375 watts, tungsten rated) at 125 volts. Size, 5x3x7⅞". U.L. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 3 lbs.
78 U 322........................8.42

TYPE T103. As above, but DPST.
78 U 321........................9.72

TYPE P101 TIME SWITCH

Portable, SPST plug-in time switch has numerous applications. Easily set for from 1 (as is) to 12 on-and-off operations per day (when used with extra T107T8A trippers, listed at left). Minimum on or off time, 1 hour; maximum, 23 hours. Can also be manually operated. 10 amps at 125 volts. Size, 5x3x7⅞". U.L. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 4 lbs.
78 U 314........................9.72


T185


T1975

TYPE T185 TIME SWITCH

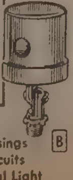
Provides up to 12 on-and-off cycles daily, with extra trippers (listed below). Each cycle is independently controlled and can vary from 5 to 60 minutes. Minimum interval between cycles, 1¾ hours. Can be used as SPST normally open, SPST normally closed, or SPDT. The perfect switch for applications requiring more than one on-and-off cycle of the same or different duration within a 24-hour period. Rated 40 amps (4375 watts, tungsten rated) at 125 v. Supplied with 3 trippers (one for each on-and-off cycle). 7¾x5x3". U.L. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 4 lbs.
78 U 313........................11.67

EXTRA TRIPPERS. For above. 4 oz.
78 U 336........................Set of 3 for 85c

TYPE T1975 PROGRAM TIMER

96 trippers for 48 on-and-off operations every 24 hours. Minimum interval, 15 minutes. Has "skipper" feature for omitting operation on selected days. SPDT switch, rated 20 amps at 125 v. Industrial-type motor. U.L. Listed. 7¾x5x3". For 110-120 v., 60 cycle AC. Shpg. wt., 3¾ lbs.
78 U 378. *$5 Monthly*........................22.72

INDOOR-OUTDOOR PHOTOELECTRIC LIGHT-CONTROL DEVICES


B

er-Resistant Aluminum Housings
, Dependable Printed Circuits
e From Artificial or Natural Light

Turn lights on at dusk, off at dawn automatically. Modern printed circuits, housed in aluminum, resist heat or humidity changes. Self-cleaning lens and moisture-proof photocell. Handle tungsten, mercury vapor, or fluorescent lights.

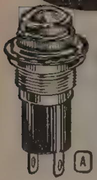
A MODEL K1611. Complete photocell and Par lamp holder in one unit. External switch leg provides instantaneous control of other light clusters. 1000 watts. For 125 v., 60 cycle AC. Shpg. wt., 1 lb.
78 U 337........................11.02

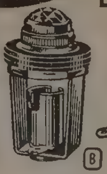
B SERIES K1121. Adjustable stem. Suffix "L": late activation (2-5 foot candles of light activate it; 5-12 deactivate). "E": early activation (6-12 on; 8-16 off). 1500 watts. 125 v., 60 cycle AC. ½ lb.
78 U 341. K1121-L........................13.62
78 U 344. K1121-E........................13.62

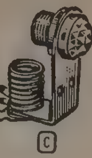
SERIES K1111. As above, but 650 watts.
78 U 345. K1111-L........................12.32
78 U 346. K1111-E........................12.32

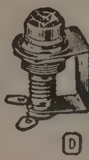
DIALCO Pilot Light Assemblies, Switches, Indica

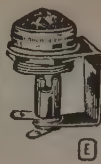
LIGHT ASSEMBLIES AND PUSHBUTTON SWITCHES

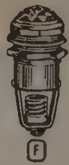


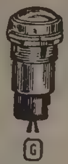


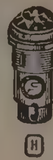


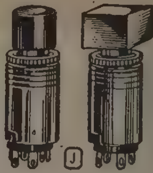












LOW V. ENCLOSED SIGNAL ASSEMBLIES

A **Series 812210.** Convex lens; smooth face, frosted back. ½" white, nickel-plated brass holders. Use bayonet lamp, replaceable from front. 2¼" long. 1⅟₁₆" mtg. hole. Panels up to ⅜" thick. *Translucent, unfrosted. Solder terminals. Less lamp. Shpg. wt., 2 oz.

Stock No.	Type	Color	EACH
7 U 780	111-102	Red	.75
7 U 781	112-102	Green	
7 U 782	113-102	Amber	
7 U 786	114-102	Blue	
7 U 785	135-102*	White	

HALF-INCH OPEN MIN. BAYONET TYPES

B **Series 857B.** Have ½" lens and 1⅟₁₆" mounting hole. Faceted and unfrosted. Less lamp. Shpg. wt., 2 oz.

Stock No.	Type	Color	EACH
7 U 889	431	Red	.44
7 U 890	432	Green	
7 U 891	433	Amber	

T-3¼ LAMPS FOR ABOVE

Single-contact miniature bayonet lamps for Series 812210 and 857B. Shpg. wt., 2 oz.

Stk. No.	V.	EA.	Stk. No.	V.	EA.
7 U 366	6-8	.14	7 U 341	28	.31
7 U 316	3.2	.18	7 U 361	12-16	.20

ENCLOSED NEON LIGHT ASSEMBLIES

Series 952263* and 955963†. With built-in 56K resistor for NE-51, 110-125 v. circuit; or 22K for NE-51H high brightness neon glow lamp. 110-125 v. AC or DC. 2⅟₁₆" long. 1⅟₁₆" mtg. hole. *Solder terms. †Screw terms. U.L. Listed. Less lamp. 2 oz.

Stock No.	FOR	Type	Color	EA.
7 U 838	*NE-51	931-142	Red	.71
7 U 839	*NE-51	933-142	Amber	
7 U 840	*NE-51	935-142	White	
7 U 841	*NE-51	937-142	Clear	
7 U 697	†NE-51H	931-112	Red	.71
7 U 698	†NE-51H	933-112	Amber	
7 U 699	†NE-51H	935-112	White	
7 U 732	†NE-51H	937-112	Clear	

8 U 534. NE-51 Lamp. Wt., 2 oz.........**.21**
8 U 535. NE-51H Lamp. Wt., 2 oz........**.23**

ENCLOSED NEON LIGHT ASSEMBLIES

Series 952210. Same as 952263, below left, but less resistor. For min. bayonet lamps, Solder terminals. 2 oz.

Stock No.	Type	Color	EACH
7 U 846	931-102	Red	.71
7 U 847	932-102	Green	
7 U 848	933-102	Amber	
7 U 850	935-102	White	

OPEN TYPES—FACETED JEWEL LENSES

C **Series 510M, 610C, 710B.** ½" lens. Min. screw for T-3¼ bulb; candelabra, G6 bulb; bayonet (not illus.), T-3¼ bulb. 7⁄16" clearance hole. 2 oz.

Color	510M Min. Screw	610C Cand.	710B Bay.
Red	7 U 938	7 U 939	7 U 940
Green	7 U 941	7 U 942	7 U 943
Amber	7 U 944	7 U 945	7 U 946

Any Color.........................Each .21

D **Series 810.** ½" lens. For T-3¼ bulb. 1⅟₁₆" clearance hole. *Not illus. 2 oz.

Color	Min. Screw 810M	Bayonet* 810B	EACH
Red	7 U 966	7 U 967	.32
Green	7 U 968	7 U 969	
Amber	7 U 970	7 U 971	
Blue	....	7 U 990	
White	....	7 U 992	

E **Series 910.** 1" jewel. 910B requires T-3¼ bulb; 910C, S6 bulb. 1" clearance hole. *Not illustrated. Shpg. wt., 2 oz.

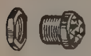
Color	*910C Cand.	910B Bay.
Red	7 U 975	7 U 947
Green	7 U 976	7 U 948
Amber	7 U 977	7 U 949

Any Color.........................Each .71

Lamps for Above. *Miniature Screw. †Candelabra. ‡Bayonet. Wt., 2 oz.

Stk. No.	V.	EA.	Stk. No.	V.	EA.
7 U 317	*6-8	.14	7 U 383	†24	.25
7 U 355	*12-16	.25	7 U 366	‡6-8	.14
7 U 329	†13.5	.40	7 U 361	‡12-16	.20

LENS CAPS FOR ASSEMBLIES, SWITCHES AND INDICATORS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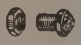
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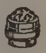
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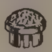

81

SERIES 5006 AND 10006
PANEL-MOUNTING LENS CAPS

Panel-mounting lens caps are ⅜" long. Require 1⅟₁₆" behind panel. Mounting holes: Series 500-6, 9⁄32"-32 thread; Series 10006, 7⁄16"-27 thread. Shpg. wt., 2 oz.

Stock No.	Mfr's Type	Dia.	Color	EACH 1-9	EACH 10-24
8U 018	10006-431-102	½"	Red	.13	.12
8U 019	10006-432-102	½"	Green		
8U 020	10006-433-102	½"	Amber		
8U 023	5006-431-102	1 1⁄32"	Red		
8U 024	5006-432-102	1 1⁄32"	Green	.13	.12
8U 025	5006-433-102	1 1⁄32"	Amber		
8U 026	5006-434-102	1 1⁄32"	Blue		
8U 027	5006-435-102	1 1⁄32"	White		

SERIES 31 AND 81 LENS CAPS

Series 31. For 75C, 312901, and 313101 pilot light assemblies. Polished chrome. *Convex lens (frosted on back) †Faceted. 2 oz.

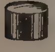
Color	Stock No.	Mfr's Type	Stock No.	Mfr's Type†
Red	7 U 999	111-300	8 U 006	431-300
Green	8 U 000	112-300	8 U 007	432-300
Amber	8 U 001	113-300	8 U 008	433-300
Clear	8 U 005	117-300	8 U 012	437-300

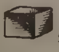
Any Color..........................Each .54

Series 81. For 812210, 815190 and 857B pilot light assemblies. White-nickel lens holders. Convex lens (frosted on back). 3 oz.

Stock No.	Mfr's Type	Color	EACH
8 U 040	111-100	Red	.16
8 U 041	112-100	Green	
8 U 042	113-100	Amber	
8 U 044	135-100	White	

½" LENS CAPS FOR PUSHBUTTON SWITCHES AND INDICATOR LIGHT


M ROUND


N SQUARE

Round rotatable types permit alignment after installation. Keyed square types push on for permanent positioning. Have solid-color translucent face and sides. High-strength plastic lens. Shpg. wt., 2 oz.

Color	Round Rotatable Stk. No.	Round Rotatable Type	Square Keyed Stk. No.	Square Keyed Type	EACH
Red	8 U 857	183-1471	8 U 878	184-1871	.49
Green	8 U 858	183-1472	8 U 879	184-1872	
Amber	8 U 859	183-1473	8 U 880	184-1873	
Blue	8 U 860	183-1474	8 U 881	184-1874	
White	8 U 861	183-1475	8 U 882	184-1875	.49
Lt. Yel.	8 U 862	183-1476	....	....	......
Ivory	8 U 863	183-1478	....	....	......

115-V. ONE-INCH MOUNT-AS

F **Series 75C.** Open type. Fac
Chromed solid-brass holder.
screw socket. Less lamp, below. 2

Stk. No.	Type	Color	Stk. No.	T
7 U 860	431	Red	7 U 862	4
7 U 861	432	Green	....	..

Any Color.........................

G **Series 312901.** Enclosed. Fr
Brass; chromed cap. 6" leads. *T
Less lamp, below. 3 oz.

Stock No.	Type	Colo
7 U 934	111-302	Red
7 U 935	112-302	Green
7 U 936	113-302	Amber
7 U 937	117-302	Clear
7 U 866	135-302	White

H **Series 313101.** Enclosed. Fac
phenolic; brass. Chromed. C
U.L. Listed. Less lamp, below. 2 o

7 U 928	431-302	Red
7 U 929	432-302	Green
7 U 930	433-302	Amber
7 U 933	434-302	Blue
7 U 932	435-302	White
7 U 931	437-302	Clear

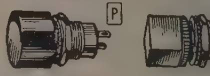
8 U 543. 656-125V. Lamp. 2 oz..

ILLUMINATED PUSHBUTTON

J Mount in ½" dia. hole from rea
up to 3⁄16" thick. All are moment
rated 3 A, 125 VAC; 3 A, 30 VDC.
tacts. ½" 183 and 184 Series lens ca
left, and T-1¾ lamp, below, 3 oz.

Stock No.	Type	Action
8 U 850	A015	SPST N.O
8 U 851	B015	SPST N.C.
8 U 852	C015	SPDT

INDICATOR LIGHT



Type 183-9830-14. Matches switch
Front or rear mtg. in ½" dia. hole. Le
square ½" lens caps, left; T-1¾ lamp
8 U 856..............................

M23 NEON PUSHBUTTON SW

K SPST, N.O., momentary conta
plated contacts, 0.1 amp @ 125
amp @ 30 v. DC, noninductive,
⅜" hole clearance. Solder terms
placeable lamp. For 110-125 v., *AC
56K res.); †AC (with 22K res.),
brightness. 2 oz.

Stock No.	Type M23	Color	
9 U 029	1152-1631*	Red	1 25 100-
9 U 030	1152-1633*	Amber	
9 U 031	1152-1635*	White	
9 U 032	1152-1637*	Clear	
9 U 033	1155-1631†	Red	
9 U 034	1155-1633†	Amber	
9 U 035	1155-1635†	White	
9 U 036	1155-1637†	Clear	

G.E. T-1¾ LAMPS

For illuminated pushbutton switches
cator light, above. *50,000-hour ty

Stock No.	Type	Volts	Amp
8 U 901	338	2.7	.06
7 U 376	345	6.0	.04
7 U 343	328	6.0	.20
7 U 400	380*	6.3	.04
7 U 401	381*	6.3	.20
7 U 375	344*	10	.014
8 U 900	367	10	.04
7 U 374	330	14	.08
7 U 402	382*	14	.08
7 U 342	327	28	.04

Indicator Lights and Sockets

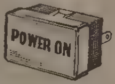
NEON INDICATOR LIGHTS

Rectangular neon indicator lights—excellent for new equipment design or for modernizing existing equipment. White nylon housing with chromed bezel. Have 6″ insulated leads. Require 1.281x.395″
Series resistor supplied. Rated ⅓
25-250 volts. Size, 1⅜x1⁵⁄₃₂x2¹⁄₃₂″.
5 oz.

ERIES 31—110-125 VOLTS

Type	Color	EACH
31-2111	Red	.75
31-1113	Amber	
31-2115	White	

-IN NEON
TOR LIGHTS



One-piece, high-
: units snap eas-
eurely into 1³⁄₁₆x
opening with no
l hardware re-
itable for up to ⅛″ thick panels.
-life, high-brightness neon lamps
t-in current-limiting resistors.
lder lug terminals. Type 47-3
vatt, 110-125 volts; Type 47H-3
vatt, 210-250 volts. U.L. Listed.
5 oz.

ype 47-3. Red .... **Each 1.00**
ype 47-H-3. Red .... **Each 1.00**

LITE NEON PILOT LIGHTS

⅓ W-125 V
SNAPLITE

½″-diameter
nels of any
ithout addi-
ware. White nylon housing contains
on lamp and built-in resistor for
iit voltage. ⅓ watt. Series 32 is for
ts; Series 35 is for 210-250 volts.
s caps for 110-200°C. Series 32
15,000-hour life; Series 35, up to
s. U.L. Listed. 5 oz.

YLINDRICAL-CAP TYPES

Mfr's Type	Color	EACH
32-2111	Red	.70
32-2113	Amber	
32-2117	Clear	
32-2115	White	
35-2111	Red	
35-2113	Amber	

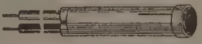
DOME-CAP TYPES

32-2211T	Red	.70
32-2213T	Amber	
32-2217T	Clear	
32-2215T	White	

FLUSH-CAP TYPES

Mfr's Type	Color	EACH
32-2311	Red	.70
32-2313	Amber	
32-2315	White	
32-2317	Clear	
32-2311T	Red	
32-2313T	Amber	

N″
ORS



ong-life, high-brightness neon in-
ts press-fit quickly and firmly into
r holes. Have durable nylon hous-
tic lens. Complete with speed nut,
ouilt-in resistor to suit the applied
ge and ensure maximum lamp life.
125 volts. Have insulated wire
wt., 5 oz.

TANDARD BEZEL TYPES

Mfr's Type	Color	EACH
36N-2311	Red	.65
36N-2313	Amber	
36N-2315	White	
36N-2317	Clear	

UM-BEZEL HI-HAT-LENS TYPES

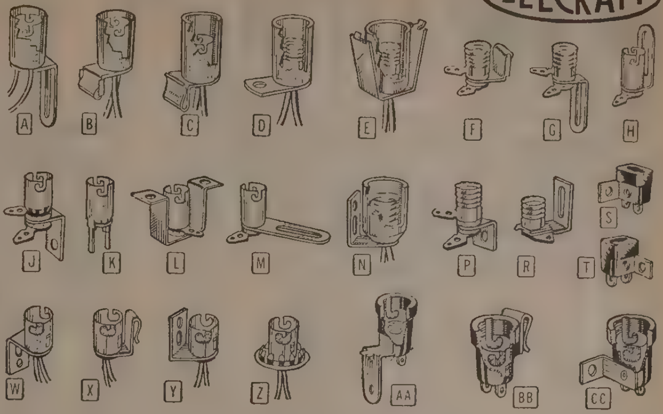
36EN2111	Red	.80
36EN2113	Amber	
36EN2115	White	
36EN2117	Clear	

IUM-BEZEL FLUSH-LENS TYPES

36EN2311	Red	.80
36EN2313	Amber	
36EN2315	White	
36EN2317	Clear	

LAMPHOLDER ASSEMBLIES

LEECRAFT



Sturdy lampholder assemblies to satisfy virtually every special requirement. Each assembly consists of a socket and bracket. Tables below indicate, in socket and bracket columns, which sockets and brackets combine to make up each lampholder. You can check them against the illustrations to see exactly what you're ordering. Av. shpg. wt., 5 oz.

Series 2-00. Miniature bayonet sockets with insulating sleeves. .025 to .032″ steel brackets; cadmium-plated. Built-in #22 wire leads.

Stock No.	Type	Socket	Bracket	EACH
8 U 054	2-01	A	X	.25
8 U 055	2-04	B	B	
8 U 056	2-06	A	A	
8 U 057	2-13	A	M	
8 U 058	2-15	A	E	

Series 3-00. Miniature bayonet sockets in molded bakelite. U.L., C.S.A. Listed.

8 U 059	3-01	C	X	.30
8 U 060	3-02	C	C	
8 U 061	3-05	C	R	
8 U 062	3-06	C	A	
8 U 065	3-20	C	J	

Series 4-00. Candelabra screw sockets in molded bakelite. #18 black and white wire, 6″ long with ends stripped ½″. For both incandescent and neon glow lamps.

8 U 066	4-01	E	X	.30
8 U 068	4-05	E	R	
8 U 069	4-06	E	A	
8 U 070	4-08	E	P	

Series 5-00. Miniature screw sockets. Tinned solder terminals. For low-voltage incandescent lamps. Cadmium-plated steel brackets.

8 U 072	5-01	F	X	.20
8 U 073	5-04	F	B	
8 U 074	5-05	F	H	
8 U 075	5-06	F	A	
8 U 076	5-07	F	NONE	.20
8 U 077	5-08	F	P	
8 U 078	5-13	F	M	

Series 6-00. Candelabra sockets. Tinned solder terminals. .025 to .032″ steel brackets; cadmium-plated for corrosion resistance. For G6, S6 incandescent lamps.

8 U 080	6-01	G	X	.20
8 U 081	6-04	G	B	
8 U 082	6-05	G	H	
8 U 083	6-06	G	G	
8 U 084	6-07	G	NONE	.20
8 U 085	6-08	G	P	
8 U 086	6-11	G	L	
8 U 087	6-13	G	M	

Series 7-00. Miniature bayonet sockets with solder terminals for low-voltage incandescent lamps as T-3½, G-3½, and G-4½. *Designed for printed circuits.

8 U 089	7-01	L	X	.20
8 U 090	7-04	L	B	
8 U 091	7-05	H	H	
8 U 092	7-06	L	A	
8 U 093	7-07	L	NONE	
8 U 094	7-08	L	P	
8 U 095	7-11	L	L	.20
8 U 096	7-13	M	M	.20
8 U 097	7-15	L	E	.20
8 U 098	7-20	J	J	.20
8 U 099	*7-35	K	K	.30

Series 11-200. Single-contact candelabra bayonet socket with one wire lead. Comes with #18 wire and .035 to .042″ thick steel brackets; cadmium-plated for high corrosion resistance.

Stock No.	Type	Socket	Bracket	EACH
8 U 100	11-271	W	Y	.30
8 U 101	11-272	W	W	

Series 12-200. Double-contact candelabra bayonet sockets. Contacts are mounted in a bakelite disk and separated by small coils. Disk is spring-loaded to assure positive contact. Can be used with incandescent and neon glow lamps as NE-48, S6, and 10C7. *Plug in bracket. U.L. and C.S.A. Approved.

8 U 102	12-201	X	X	.35
8 U 104	12-212	X	D	
8 U 105	*12-240	Z	Z	
8 U 106	12-271	Y	Y	
8 U 107	12-272	W	W	

Series 14-00. Intermediate screw sockets with wire leads. For incandescent and ozone lamps. U.L. and C.S.A. Listed.

8 U 108	14-71	N	N	.35
8 U 109	14-72	N	W	

Series 1600. Midget screw sockets with soldering terminals; tinned for easy connections.

8 U 111	16-08	P	P	.30

Series 18-00. Candelabra screw base socket. For incandescent and neon glow lamp applications. Insulating sleeve for use over screw sleeve is supplied to meet U.L. and C.S.A. requirements.

Stock No.	Type	Socket	Bracket	EACH
8 U 114	18-76	R	G	.25
8 U 115	18-79	R	R	

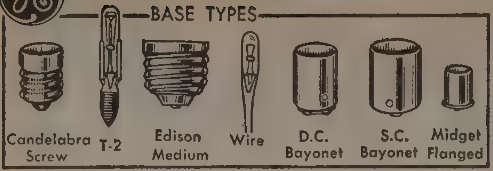
Series 23-00 and 23-200. Molded wedge-base sockets. Double-contacts insure security of lamp—firmly held on both sides. 23-00 series has terminals, 23-200 series has wire leads. *Left-hand bracket. †Right-hand bracket. U. L. Listed for AC-DC receivers.

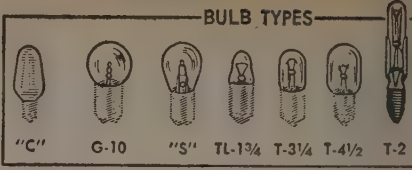
8 U 116	*23-23	S	S	.25
8 U 117	†23-24	T	T	.25
8 U 118	*23-223	S	S	.30
8 U 119	†23-224	T	T	.30

Series 57-00 and 57-200. Double-contact candelabra bayonet sockets with tab terminals. Rated 75 watts; 125 volts. Steel brackets, .035 to .042″ thick; cadmium-plated. Type 57-241 has wire leads, not tab terminals. *Has right-hand bracket. U.L. and C.S.A. Listed.

8 U 120	*57-24	CC	CC	.30
8 U 121	57-41	AA	AA	.30
8 U 122	57-45	BB	BB	.30
8 U 123	57-241	AA	AA	.35

General Electric Lamps





MINIATURE NEON-GLOW INDICATOR LAMPS

Withstand vibration, shock. For 105-600v. except ‡210-600 v. §DC only. Screw types have series resistor in base for 105-125 v., others require external resistor. In table, Sk. means skirted; D.C., double contact; S.C., single contact; Mid. Flange, midget flanged; Bay., bayonet; Cand., candelabra; others self-explanatory. *AC starting v.; DC starting v. 40% more. †High brightness. 2 oz.

Stock No.	Mfr's Type	Watts	*AC V.	Bulb Style	Base	EACH
8 U 516	A1B	1/17	65	T-2	Wire Term.	.14
8 U 517	†A1C	1/17	95	T-2	Wire Term.	.14
8 U 518	NE-2	1/17	65	T-2	Wire Term.	.10
8 U 519	NE-2D	1/15	65	T-2	S.C. Mid. Flange	.82
8 U 520	NE-2E	1/10	65	T-2	Wire Term.	.10
8 U 521	†NE-2H	1/5	.....	T-2	Wire Term.	.12
8 U 522	†NE-2J	1/5	105	T-2	S.C. Mid. Flange	.82
8 U 523	NE-7	¼	55	T-4½	Wire Term.	.73
8 U 524	NE-16	¼	§67	T-4½	D.C. Bay. Cand.	.63
8 U 525	NE-17	¼	55	T-4½	D.C. Bay. Cand.	.90
8 U 526	NE-21	¼	55	T-4½	S.C. Bay. Cand.	.95
8 U 527	NE-30	1	60	G-10	Edison	1.20
8 U 528	NE-32	1	60	G-10	D.C. Bay. Cand.	1.20
8 U 529	NE-34	2	60	S-14	Edison	1.85
8 U 530	NE-40	3	60	S-14	Edison	2.70
8 U 531	NE-42	3	60	S-14	Sk. D.C. Bay. Cand.	2.65
8 U 532	NE-45	¼	65	T-4½	Cand. Screw	.85
8 U 533	NE-48	¼	65	T-4½	D.C. Bay. Cand.	.70
8 U 534	NE-51	1/25	65	T-3¼	S.C. Bay. Min.	.21
8 U 535	†NE-51H	1/7	.....	T-3¼	S.C. Bay. Min.	.23
8 U 536	‡NE-56	1	60	S-11	Edison	2.40
8 U 537	NE-57	¼	55	T-4½	Cand. Screw	.99
8 U 538	‡NE-58	½	65	T-4½	Cand. Screw	.95
8 U 929	NE-66	1¼	65	T-4½	Cand. Screw	1.25
8 U 930	NE-84	¼	95	T-2	Special Tel. Slide	.64

MINIATURE NEON-GLOW CIRCUIT CONTROL L

Rugged miniature T-2 bulbs with wire-terminal bas radioactive additive reduces breakdown voltage in darkn 1" leads permit easy soldering. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	DC Start Volts	Design DC Ma
7 U 950	NE-23	60-90	.3
7 U 951	NE-76	68-76	.4
7 U 953	NE-83	60-100	10.0
7 U 954	NE-86	55-90	1.5
7 U 955	NE-96	120-150	.5
7 U 956	NE-97	110-140	.5

ARGON GLOW LAMPS

Long-life lamps emit pale blue-violet light, near-ultravi tion. Clear glass bulb. Type AR-3 has average life of 1 AR-1 has average life of 3000 hours. For 110-120 v.

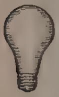
Stock No.	Type	Watts	Bulb	Base
8 U 541	AR-3	¼	T-4½	Candelabra Screw
8 U 542	AR-1	2	S-14	Edison Medium

SIGN AND APPLIANCE LAMPS

Rated 1500 hours, average use. Clear glass envelopes, exc glass. †Night light. All are miniature, except ‡large. For Shpg. wt., 2 oz., each.

Stock No.	Watts	Bulb	Base	P
8 U 543	6	S-6	Candelabra	
8 U 547	7	†C-7	Candelabra	
8 U 548	7	*C-7	Candelabra	
6 U 601	7½	‡S-11	Medium	
8 U 549	10	C-7	D.C. Bayonet Cand.	
6 U 602	15	T-7	D.C. Bayonet Cand.	
6 U 603	25	T-8	D.C. Bayonet Cand.	

HOUSEHOLD INCANDESCENT LAMPS



For 120 volts, AC. Av. shpg. wt., 3 oz., each.

SOFT WHITE LAMPS

Internal silica coating diffuses light, greatly reduces shadows and reflections. Won't blacken. Medium bases.

Stock No.	Watts	PER PACKAGE OF 4	
		1-2	3-Up
6 U 616	40	1.16	.92
6 U 617	60		
6 U 618	75		
6 U 619	100		

STANDARD INSIDE-FROSTED LAMPS

Inside-frosting diffuses light, eliminates striations. Frosting absorbs very little light. Medium bases, except *large.

9 U 735	15	.92	.64
9 U 736	25	1.00	.80
9 U 737	40	1.00	.80
9 U 738	60	1.00	.80
9 U 739	75	1.00	.80
9 U 740	100	1.00	.80
9 U 741	150	1.32	1.04
9 U 742	200	1.52	.....
9 U 743	300	2.20	.....
9 U 744	*300	3.00	.....

YELLOW LAMPS

Fine for outdoors. Attract fewer insects. Medium bases.

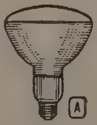
Stock No.	Watts	PER PACKAGE OF 2	
		1-2	3-Up
6 U 620	60	.70	.63
6 U 621	100		

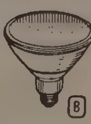
3-WAY SOFT WHITE LAMPS

Two filaments give three levels of lighting. Each filament has different wattage, can be used alone or with the other. Medium bases.

Stock No.	Watts	PER PACKAGE OF 2	
		1-2	3-Up
6 U 622	30-70-100	1.18	1.07
9 U 733	50-100-150	1.30	1.17
9 U 734	100-200-300	1.98	1.78

REFLECTOR AND PROJECTOR LAMP





(A) **Indoor Reflector Lamps.** Ha mirror-like reflecting surf posited silver. Excellent for floodlighting where average trol is sufficient. 75-watt lamp beams of light suitable for hig in the home, short-throw dis ing, and close-up supplemen ing in the shop. 150-watt lan able to many applications. bases. For 120 v. Av. shpg.

Stock No.	Watts	Description
6 U 604	75	Spotlight
6 U 605	75	Floodlight
6 U 606	150	Spotlight
6 U 607	150	Floodlight

(B) **Indoor Projector Lamps.** Self-contained spotlighting a lighting units. Compact size and high resistance t shock. Reflector won't deteriorate from dirt. For 120 v skirt bases. Shpg. wt., 1 lb.

Stock No.	Watts	Description
6 U 608	75	Spotlight
6 U 609	75	Floodlight
6 U 610	150	Spotlight
6 U 611	150	Floodlight

INFRARED LAMPS

(Not illus.) Low-cost lamps for comfort heating, relieving aches, many warming and drying uses. Red-end lamps ca to keep dishes and food warm, while providing interestin tive effects. Medium bases. For 115-125 volts. 250 wat wt., 8 oz.

6 U 612. Frosted.......................

6 U 613. Red-End.......................

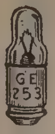
SUN LAMP FOR WINTERTIME "TANS"

(Not illus.) Ultraviolet rays give you a healthy tan, all yea as long as you use it regularly. Will tan anyone who can tan from natural sunlight. Built-in reflector. No acces quired, can be used from any standard AC outlet. Medi 275 watts. For 110-125 volts AC. Shpg. wt., 12 oz.

6 U 614.......................

nelescent Lamps, Bulbs, Sockets and Reducers

G.E. OPTICALLY-REFINED HIGH-OUTPUT LENS-END SUBMINIATURE LAMPS



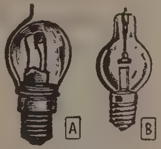
ACTUAL SIZE

or Computer Operations Using Punch Cards or
s for Activating Photoconductors
Hours Design Life Average • 1 1/16″ Long
Covers 1/17″-Diameter Spot, 3/8″ from Lamp
otcandles Minimum Illumination Over 1/16″ Spot

5 amp at 2.5 v., AC-DC. Midget grooved base. iameter, .250″. Type 253's oval beam falls arallel lines, 5/16″ apart (centered on base axis) way on surface perpendicular to base axis, eam falls within a 5/16x3/8″ rectangle. 261's ers 1/8″ circle on base axis. 2 oz.

ck .	Mfr's Type	Bulb Style	EACH
957	253	TL-1¾	2.50
958	253X	TL-1¾	3.30
959	261	TL-1¾	7.20

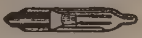
.E. TUNGAR BULBS



d argon-mercury filled tungar use in rectification of AC to DC battery chargers, DC power motion picture projectors, and on of magnetic chucks, motors, most frequently used in movie . †Current, in amperes. Av. 1¼ lbs.

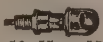
Mfr's Type	Fig.	†	EACH	Stock No.	Mfr's Type	Fig.	†	EACH
2X825	....	2	5.50	7 U 595	189048	B	6	5.65
206501	A	2	5.35	7 U 597	189049	B	6	4.88
20X672	....	5	6.65	7 U 598	*217283	B	15	9.38

ITTLER 211007 PANEL LAMP



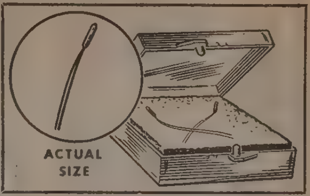
neon indicating lamp for test equipment and test panels. ng voltages of 65 with AC; 90 with DC. Requires only . Has switchboard slide-type base. 2 oz. .... .40

OLE-HERSEE LAMP ASSEMBLY



l lamp assembly. Socket accepts Nos. 51, 53, 55 or 57 quires 3/8″ diameter mounting hole (stem-mounted). has single 12″ lead. 2 oz. .... .72

SYLVANIA ML-202A MITE-T-LITE

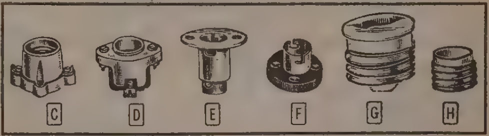


ACTUAL SIZE

- 20 Millilumens Light Output
- Overall Length Only .176″ Max.
- Extremely Low Power Consumption—15.5 ma at 1.2 VDC

Miniature incandescent lamp provides compatible light source for microminiature equipment and systems. Long-lived. Exceptional physical ruggedness. Low power consumption permits operation directly from the output of a transistor. This single-ended lead lamp has .055″ max. body diameter and .176″ max. overall length. Tungsten-wire filament. Designed for operation between 1.0 and 1.2 volts max. Lamp current, about 15.5 ma at 1.2 VDC. At full voltage, life is about 500 hours under pulsed conditions. Light output, 20.0 millilumens at 1.2 VDC. .05″ by .05″ long. 2 oz.
8 U 710 .... .91

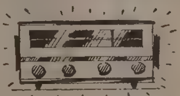
SOCKETS AND REDUCERS FOR NEON, ARGON AND PILOT LAMPS



Figs. C, D, E, and F are sockets; other units are reducers. Reducer fits into socket to convert to more commonly used types of bulb bases. *Socket with hard rubber insert in metal shell. 3 oz.

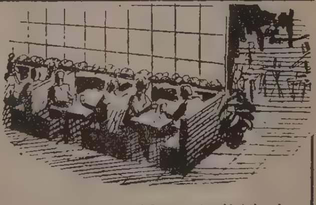
Stock No.	Fig.	Description	EACH
7 U 661	C	Edison socket	.18
7 U 662	C	Miniature screw socket	.15
7 U 663	D	Candelabra screw socket	.51
7 U 664	C	Candelabra screw socket	.15
7 U 665	E*	D.C. bay, candelabra socket	.40
7 U 666	F	D.C. bay, candelabra socket	.97
7 U 667	F	S.C. bay, candelabra socket	.81
7 U 668	G	Edison-to-Cand. reducer	.21
7 U 669	H	Candelabra-to-Min. reducer	.18
7 U 670	H	Intermediate-to-Cand. reducer	.09

"SOFT" LAMPS FOR INSTRUMENTS, SIGNS AND NOVELTIES



Hi-Fi Panel Fronts

Reliable, Easy-to-See Signs



Inexpensive and Decorative Lighting in Restaurants and Other Public Places

PANELESCENT" METAL AND PLASTIC LAMPS

rovide Evenly Diffused Green Light Free of Glare
lo Tubes or Bulbs to Burn Out, Lamps Operate Cold
an Be Shaped • Unaffected by Weather Conditions

TROLUMINESCENT PLASTIC AND METAL LAMPS

pes or bulbs. Electrical coating provides diffused, glare-een light. Operate cold. Exceptionally rugged, light- and compact. Unaffected by temperature and humidity es. May be shaped or curved to fit. Plastic units offer flexibility—1/32″ thick; 1/8″ unlighted perimeter. Metal re 1/8″ thick; 1/16″ unlighted. U.L. Listed. For prototype nly—cannot be cut or drilled. Supplied complete with ire, clip assembly. For operation from 110-120 v., 60 C. Av. shpg. wt., ¾ lb.

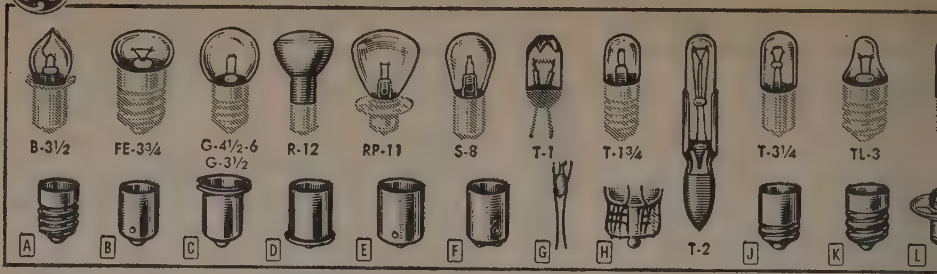
No.	Type	Desc.	Size (In.)	EACH
72	PM-006	Metal	2x2½	1.38
73	PM-012	Metal	2x6	1.65
74	PM-016	Metal	4x4	2.20
75	PM-024	Metal	4x6	2.97
46	PPF-002	Plastic	1x2	2.00
47	PPF-004	Plastic	2x2	3.50
48	PPF-016	Plastic	4x4	4.50

ELECTROLUMINESCENT PLASTIC LAMPS

Area light-source of relatively low brightness for decorative and novelty uses where subdued light is preferred: "rec" rooms, lounges, or as night light. Flexible. Less than 1/32″ thick. Weigh only 3 oz. per sq. ft. Cannot crack or chip. Overlays may be used for interesting lighting effects. For operation from 120 v., 60 cycle AC. Shpg. wt., ½ lb.

Stock No.	Size (In.)	Color	EACH	Stock No.	Size (In.)	Color	EACH
9 U 249	2x2	Green	2.22	9 U 257	8x10	Grn.	13.40
9 U 250	2x2	Blue		9 U 258	8x10	Blue	
9 U 251	2x2	Yel.		9 U 259	8x10	Yel.	
9 U 252	2x2	Wht.		9 U 260	8x10	Wht.	
9 U 253	4x5	Green	6.70	9 U 261	11¾x11¾	Grn.	19.00
9 U 254	4x5	Blue		9 U 262	11¾x11¾	Blue	
9 U 255	4x5	Yel.		9 U 263	11¾x11¾	Yel.	
9 U 256	4x5	Wht.		9 U 264	11¾x11¾	Wht.	

General Electric Miniature, Subminiature La



ABBREVIATIONS USED TO DESCRIBE BASE AND BULB STYLES

BASES: D.C. Bay., double-contact bayonet. D.C. Pref., double-contact, prefocused. Mid. Screw, midget screw. Min. Bay., miniature bayonet. S.C. Bay., single-contact bayonet. S.C., F., single-contact, flanged. S.C. Mid., F., single-contact midget, flanged. Tel. Slide, slide. **BULBS:** B, lemon. G, globe. FE, flat end. R, reflector. end. T, tubular. TL, lens end, tubular.

GENERAL-PURPOSE MINIATURE LAMPS

Numbers in Bulb Style indicate bulb diameter in eighths of an inch. Example: S-8 is 8/8ths, or 1" in diameter. *Switchboard slide-type base. †Similar to bulb TL-3; #Similar to bulb G-4½. Wt., 2 oz.

Stock No.	Mfr's Type	Volts	Amps	Base Fig.	Base Style	Bulb Style	EA.	PKG. OF 10
7 U 300	PR-2	2.4	.50	C	S.C., F	B-3½	.20	1.20
7 U 301	PR-3	3.6	.50	C	S.C., F.	B-3½	.20	1.20
7 U 302	PR-4	2.3	.27	C	S.C., F	B-3½	.20	1.20
7 U 303	PR-6	2.47	.30	C	S.C., F.	B-3½	.20	1.20
7 U 304	PR-7	3.7	.30	C	S.C., F.	B-3½	.25	1.50
7 U 305	PR-12	5.95	.50	C	S.C., F.	B-3½	.20	1.20
7 U 306	PR-13	4.75	.50	C	S.C., F.	B-3½	.20	1.20
7 U 367	6	6.4	3.0	F	D.C. Bay.	S-8	.35	2.10
7 U 307	12	6.3	.15	....	Min. 2-pin	G-3½	.25	1.50
7 U 308	13	3.7	.30	A	Screw	G-3½	.17	1.00
7 U 309	14	2.5	.30	A	Screw	G-3½	.17	1.00
7 U 310	24E	24	.035	*	Tel. Slide*	T-2	.65	4.00
7 U 369	24X	24	.035	*	Tel. Slide*	T-2	.65	4.00
7 U 311	27	4.9	.30	A	Screw	G-4½	.20	1.20
7 U 312	39	6.3	.36	E	S.C. Bay.	T-3¼	.35	2.00
7 U 313	40	6.8	.15	A	Screw	T-3¼	.14	.90
7 U 314	41	2.5	.50	A	Screw	T-3¼	.22	1.40
7 U 315	43	2.5	.50	E	S.C. Bay.	T-3½	.22	1.40
7 U 366	44	6-8	.25	E	S.C. Bay.	T-3¼	.14	.90
7 U 316	45	3.2	.35	E	S.C. Bay.	T-3¼	.18	1.20
7 U 317	46	6-8	.25	A	Screw	T-3½	.14	.90
7 U 318	47	6-8	.15	E	S.C. Bay.	T-3¼	.14	.90
7 U 319	48	2.0	.06	A	Screw	T-3¼	.22	1.40
7 U 320	48C	48	.035	*	Tel. Slide*	T-2	.70	4.30
7 U 321	49	2.0	.06	E	S.C. Bay.	T-3¼	.18	1.20
7 U 322	50	6-8	1 c.p.	A	Screw	G-3½	.15	.90
7 U 323	51	6-8	1 c.p.	E	S.C. Bay.	G-3½	.13	.80
7 U 370	52	14.4	.10	A	Screw	G-3½	.27	1.70
7 U 324	53	14.4	.12	E	S.C. Bay.	G-3½	.13	.80
7 U 325	55	6-8	2 c.p.	E	S.C. Bay.	G-4¼	.13	.80
7 U 326	57	12	2 c.p.	E	S.C. Bay.	G-4½	.13	.80
7 U 327	63	6-8	3 c.p.	E	S.C. Bay.	G-6	.17	1.10
7 U 328	67	12	4 c.p.	E	S.C. Bay.	G-6	.17	1.10
7 U 329	67K	13.5	4 c.p.	K	Candelabra	G-6	.40	2.50
7 U 330	81	6-8	6 c.p.	E	S.C. Bay.	G-6	.22	1.30
7 U 331	82	6-8	6 c.p.	F	D.C. Bay.	G-6	.22	1.30
9 U 707	93	12	1.04	E	S.C. Bay.	S-8	.31	1.87
7 U 332	112	1.2	.22	A	Screw	TL-3	.17	1.00
7 U 333	136	1.3	.60	A	Screw	G-4½	.20	1.20
7 U 334	158	12	.24	H	Wedge	T-3¼	.20	1.20
7 U 335	159	6 3	.15	H	Wedge	T-3¼	.22	1.30
7 U 336	222	2.2	.25	A	Screw	TL-3	.17	1.00
7 U 337	223	2.2	.25	A	Screw	FE-3¼	.20	1.20
7 U 338	224	2.15	.22	J	Special	†TL-2¾	.20	1.20
7 U 339	233	2.3	.27	A	Screw	G-3½	.20	1.20
7 U 340	248	2.5	.80	A	Screw	#G-5½	.25	1.50
7 U 373	259	6.3	.25	H	Wedge	T-3¼	.20	1.20
7 U 341	313	28	.17	E	S.C. Bay.	T-3¼	.31	1.90
7 U 342	327	28	.04	D	S.C.Mid.F.	T-1¾	.72	4.40
7 U 343	328	6	.20	D	S.C.Mid.F.	T-1¾	.56	3.40
7 U 374	330	14	.08	D	S.C.Mid.F.	T-1¾	.80	4.90
7 U 145	331	1.35	.06	D	S.C.Mid.F.	T-1¾	.87	5.29
7 U 146	334	28	.04	B	Mid.Groove	T-1¾	.78	4.22
7 U 375	344	10	.014	D	S.C.Mid.F.	T-1¾	1.50	8.90
7 U 376	345	6	.04	D	S.C.Mid.F.	T-1¾	1.50	9.30
7 U 377	363	14	.20	E	S.C. Bay.	G-3½	.22	1.30
8 U 900	367X	10	.04	D	S.C.Mid.F.	T-1¾	1.60	9.60
8 U 901	368	2.5	.20	D	S.C.Mid.F.	T-1¾	.75	4.58
7 U 378	405	6.5	.50	A	Screw	G-4½	.25	1.50
7 U 379	406	2.6	.30	A	Screw	G-4½	.22	1.30
7 U 380	407	4.9	.30	A	Screw	G-4½	.20	1.20

GENERAL-PURPOSE MINIATURE LAMPS (Con

Stock No.	Mfr's Type	Volts	Amps	Base Fig.	Base Style	Bulb Style
7 U 344	425	5	.50	A	Screw	G-4½
7 U 345	428	12.5	.25	A	Screw	G-4½
7 U 346	432	18.0	.25	A	Screw	G-4½
7 U 347	433	18	.25	E	S.C. Bay.	G-4½
7 U 382	502	5.1	.15	A	Screw	G-4½
7 U 383	509K	24	.18	K	Candelabra	G-6
7 U 348	605	6.1	.50	A	Screw	G-4½
6 U 600	1133	6	3.91	E	S.C. Bay.	RP-11
7 U 384	1383	12	20w	E	S.C. Bay.	R-12
7 U 349	1445	18	.15	E	S.C. Bay.	G-3½
7 U 350	1446	12	.20	A	Screw	G-3½
7 U 351	1447	18.0	.15	A	Screw	G-3½
7 U 352	1449	14	.20	A	Screw	G-3½
7 U 353	1458	20	.25	E	S.C. Bay.	G-5
7 U 385	1474	14	.17	A	Screw	T-3
7 U 354	1477	24	.17	A	Screw	T-3
7 U 355	1487	12-16	.20	A	Screw	T-3¼
7 U 356	1488	14	.15	E	S.C. Bay.	T-3¼
7 U 357	1493	6.5	2.75	F	D.C. Bay.	S-8
7 U 386	1630	6.5	2.75	L	D.C. Pref.	S-8
7 U 358	1651	5	.60	E	S.C. Bay.	S-8
7 U 359	1768	6	.20	A	Mid.Screw	T-1¾
7 U 388	1769	2.5	.20	A	Mid.Screw	T-1¾
7 U 360	1813	14.4	.10	E	S.C. Bay.	T-3¼
7 U 361	1815	12-16	.20	E	S.C. Bay.	T-3¼
7 U 389	1816	13	.33	E	S.C. Bay.	T-3¼
7 U 362	1819	28	.04	E	S.C. Bay.	T-3¼
7 U 363	1820	28	.10	E	S.C. Bay.	T-3¼
7 U 390	1822	36	.10	E	S.C. Bay.	T-3¼
7 U 391	1828	37.5	.05	E	S.C. Bay.	T-3¼
7 U 364	1829	28	.07	E	S.C. Bay.	T-3¼
7 U 392	1835	55	.05	E	S.C. Bay.	T-3¼
7 U 365	1847	6.3	.15	E	S.C. Bay.	T-3¼
7 U 596	1869	10	.014	G	Wire	T-1¾

100,000-HOUR SUBMINIATURE LAMPS

Last about 12 years! Use where space is critical, service Solder-dipped leads on wire types. ¼x⅛" dia. *±20

Stock No.	Mfr's Type	Volts	Amps. ±10%	Base Fig.	Base Style	Bulb Style	EAC
7 U 393	680	5	.060	G	Wire	TI	3.20
7 U 394	682	5	.060	D	Sub.Mid.F	TI	4.00
7 U 395	683	5	.060	G	Wire	TI	3.20
7 U 396	685	5	.060	D	Sub.Mid.F	TI	4.00
7 U 397	715	5	.115	G	Wire	TI	3.20
7 U 399	2128	3	*.0125	G	Wire	TI	4.50

50,000-HOUR MINIATURE LAMPS

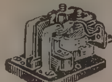
Design life is over 5 years—average life is 50,000 hours. A is determined by environmental conditions: vibration, sh perature, voltage fluctuations. Numbers in Bulb Style bulb diameter in eighths of an inch. Av. shpg. wt., 1 oz.

Stock No.	Mfr's Type	Volts	Amps	Base Fig.	Base Style	Bulb Style
7 U 400	380	6.3	.04	D	S.C.Mid.F.	T-1¾
7 U 401	381	6.3	.20	D	S.C.Mid.F.	T-1¾
7 U 402	382	14	.08	D	S.C.Mid.F.	T-1¾
7 U 403	755	6.3	.15	B	Min. Bay.	T-3¼
7 U 404	756	14	.08	B	Min. Bay.	T-3¼
7 U 405	757	28	.08	B	Min. Bay.	T-3¼
7 U 406	2180	6.3	.04	G	Wire	T-1¾
7 U 407	2181	6.3	.20	G	Wire	T 1¾
7 U 408	2182	14	.08	G	Wire	T 1¾

Potter & Brumfield Relays and Accessories

these pages, you'll find the most popular contact arrange-
nts, ratings, terminations, enclosures, and coil voltages listed. Contact us for prices and other product information on any types not listed—you'll receive a prompt reply.

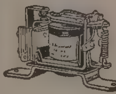
HEAVY-DUTY POWER RELAYS



ustrial applications.
screw terminals. All
sted; and AC types
S.A. Listed; except
L5, neither. All have
silver contacts ex-
11AL5 with 20-amp
s. *Equipped with
y SPDT 5-amp con-
izes: all are $2\frac{1}{2}$" wide; PR3, PR5, $2\frac{7}{32}$x
R7, $2\frac{1}{2}$x$2\frac{7}{16}$"; PR11, $2\frac{1}{2}$x$3\frac{3}{8}$". Dust
below right. Av. shpg. wt., 12 oz.

o.	Type	Volts	Action	EACH
46	PR3AY	6 AC	SPST	4.15
51	PR3AY	12 AC	SPST	4.15
61	PR3AY	24 AC	SPST	4.15
00	PR3AY	115 AC	SPST	4.15
52	PR3AY	230 AC	SPST	4.50
09	PR3DY	12 DC	SPST	4.15
01	PR3DY	24 DC	SPST	4.15
68	PR3DY	110 DC	SPST	4.75
47	PR5AY	6 AC	SPDT	4.35
78	PR5AY	12 AC	SPDT	4.35
62	PR5AY	24 AC	SPDT	4.35
02	PR5AY	115 AC	SPDT	4.35
66	PR5AY	230 AC	SPDT	4.75
50	PR5DY	6 DC	SPDT	4.35
10	PR5DY	12 DC	SPDT	4.35
54	PR5DY	24 DC	SPDT	4.35
69	PR5DY	110 DC	SPDT	4.95
48	PR7AY	6 AC	DPST	4.90
79	PR7AY	12 AC	DPST	4.90
63	PR7AY	24 AC	DPST	4.90
03	PR7AY	115 AC	DPST	4.90
54	PR7AY	230 AC	DPST	5.35
02	PR7DY	6 DC	DPST	4.90
11	PR7DY	12 DC	DPST	4.90
13	PR7DY	24 DC	DPST	4.90
70	PR7DY	110 DC	DPST	5.50
49	PR11AY	6 AC	DPDT	6.45
62	PR11AY	12 AC	DPDT	6.45
64	PR11AY	24 AC	DPDT	6.45
63	PR11AY	115 AC	DPDT	6.45
65	PR11AY	230 AC	DPDT	6.95
03	PR11AL5	6 AC	*DPDT	8.15
09	PR11AL5	12 AC	*DPDT	8.15
63	PR11AL5	24 AC	*DPDT	8.15
65	PR11AL5	115 AC	*DPDT	8.15
66	PR11AL5	230 AC	*DPDT	8.55
08	PR11DY	6 DC	DPDT	6.45
2	PR11DY	12 DC	DPDT	6.45
4	PR11DY	24 DC	DPDT	6.45
71	PR11DY	110 DC	DPDT	7.05

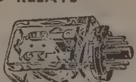
MEDIUM-DUTY POWER RELAYS



neral applications.
ntacts rated 8 amps
MR3 types rated 10
C coils for 60 cycles.
ons normally open.
R3 and MR5, $1\frac{11}{16}$x
"; MR11: 2x$2\frac{3}{16}$x
MR14: 2x$2\frac{3}{16}$x
v. wt., 5 oz.

o.	Type	Volts	Action	EACH
75	MR3A	6 AC	SPST	3.85
78	MR3A	24 AC	SPST	3.85
5	MR3A	115 AC	SPST	3.85
3	MR3D	6 DC	SPST	3.50
7	MR3D	12 DC	SPST	3.50
8	MR3D	24 DC	SPST	3.50
0	MR5A	6 AC	SPDT	3.45
7	MR5A	12 AC	SPDT	3.45
9	MR5A	24 AC	SPDT	3.45
4	MR5A	115 AC	SPDT	3.45
7	MR5A	230 AC	SPDT	3.85
8	MR5D	6 DC	SPDT	3.20
8	MR5D	12 DC	SPDT	3.20
9	MR5D	24 DC	SPDT	3.20
0	MR5D	110 DC	SPDT	3.70
2	MR11A	6 AC	DPDT	4.85
8	MR11A	12 AC	DPDT	4.85
1	MR11A	24 AC	DPDT	4.85
6	MR11A	115 AC	DPDT	4.85
9	MR11A	230 AC	DPDT	5.25
5	MR11D	6 DC	DPDT	4.60
0	MR11D	12 DC	DPDT	4.60
1	MR11D	24 DC	DPDT	4.60
1	MR11D	110 DC	DPDT	5.10
6	MR14A	6 AC	3PDT	5.80
9	MR14A	12 AC	3PDT	5.80
2	MR14A	24 AC	3PDT	5.80
2	MR14A	115 AC	3PDT	5.80
4	MR14A	230 AC	3PDT	6.20
6	MR14D	6 DC	3PDT	5.45
1	MR14D	12 DC	3PDT	5.45
2	MR14D	24 DC	3PDT	5.45
2	MR14D	110 DC	3PDT	5.95

KRP ENCLOSED RELAYS



Completely enclosed compact relays in hi-impact, transparent, plastic cases. Fully dust-proof and weather-proof for long, trouble-free operation. Types KRP5 and KRP11 plug into standard octal sockets; Type KRP14 plugs into 11-pin socket. Gold-flashed silver contacts rated 5 amps at 115 V AC, 60-cycle resistive. $1\frac{13}{32}$x$1\frac{13}{32}$x2". Av. shpg. wt., 5 oz.

Stock No.	Type	Volts	Action	EACH
75 U 214	KRP5A	6 AC	SPDT	5.45
75 U 215	KRP5A	24 AC	SPDT	5.45
75 U 213	KRP5A	115 AC	SPDT	5.45
75 U 217	KRP5D	6 DC	SPDT	5.40
75 U 244	KRP5D	12 DC	SPDT	5.40
75 U 245	KRP5D	24 DC	SPDT	5.40
75 U 240	KRP5D	110 DC	SPDT	6.00
75 U 920	KRP11A	6 AC	DPDT	6.05
76 U 524	KRP11A	12 AC	DPDT	6.05
75 U 216	KRP11A	24 AC	DPDT	6.05
75 U 921	KRP11A	115 AC	DPDT	6.05
76 U 597	KRP11A	230 AC	DPDT	6.45
75 U 922	KRP11D	6 DC	DPDT	6.00
75 U 246	KRP11D	12 DC	DPDT	6.00
75 U 247	KRP11D	24 DC	DPDT	6.00
76 U 352	KRP11D	110 DC	DPDT	6.60
75 U 091	KRP14A	6 AC	3PDT	7.50
76 U 525	KRP14A	12 AC	3PDT	7.50
75 U 092	KRP14A	24 AC	3PDT	7.50
75 U 093	KRP14A	115 AC	3PDT	7.50
75 U 557	KRP14A	230 AC	3PDT	7.90
75 U 094	KRP14D	6 DC	3PDT	7.45
75 U 095	KRP14D	12 DC	3PDT	7.45
75 U 096	KRP14D	24 DC	3PDT	7.45
76 U 998	KRP14D	110 DC	3PDT	8.05

KCP ENCLOSED RELAYS

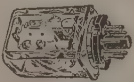
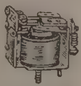


Plate circuit relays In high-impact, weatherproof plastic cases. Fit standard octal or 11-pin socket (at right, below). 2 amp resistive, silver contacts. $1\frac{13}{32}$" sq. by 2". Wt., 4 oz.

Stock No.	Type	Ohms	Ma	Action	EACH
75 U 287	KCP5	2500	7.2	SPDT	5.90
75 U 288	KCP5	5000	5.0	SPDT	6.00
75 U 289	KCP5	10,000	3.6	SPDT	6.40
75 U 290	KCP11	2500	10.0	DPDT	6.30
75 U 291	KCP11	5000	7.2	DPDT	6.40
75 U 292	KCP11	10,000	5.0	DPDT	6.80
75 U 097	KCP14	2500	12.3	3PDT	7.75
75 U 098	KCP14	5000	8.7	3PDT	7.85
75 U 099	KCP14	10,000	6.1	3PDT	8.25

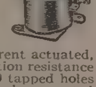
KT ANTENNA-SWITCHING RELAYS



For selecting either of two antennas or for switching single antenna from receiver to transmitter and vice-versa. Designed for RF applications: glass base insulation for minimum loss. Will switch 300-ohm line. All are DPDT. Mtg.: 6-32 stud. Silver 5-amp contacts. Size: $1\frac{1}{4}$x$1\frac{5}{8}$x$1\frac{11}{16}$". Shpg. wt., 2 oz.

Stock No.	Type	Volts	EACH
76 U 373	KT11A	6 AC	3.70
76 U 374	KT11A	115 AC	3.70
76 U 375	KT11D	6 DC	3.70
76 U 376	KT11D	12 DC	3.70

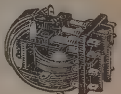
RS5D LIGHTWEIGHT RELAYS



Compact sensitive relays designed for radio-sonde, light-dimmer, and model applications. Sensitivity of 60 milliwatts. Life of over 10 million operations. Operate in 25 milliseconds and release in less than 5 milliseconds. SPDT contacts are bar palladium, rated at 2 amps. Current actuated, except *voltage actuated. Insulation resistance of 100 megs minimum. Two 4-40 tapped holes on $\frac{5}{8}$x$\frac{3}{4}$" diagonal centers. May be mounted in Type "P" craze-resistant transparent plastic case, or with KCP-KRP hold-down spring. Size: $1\frac{5}{16}$x1x$1\frac{11}{64}$". Av. shpg. wt., 2 oz.

Stock No.	Coil Ohms	Ma	EACH
75 U 896	335	6 VDC*	2.60
75 U 504	1350	12 VDC*	2.75
75 U 897	2500	5.0	2.85
75 U 898	5000	3.5	3.15
75 U 899	10,000	2.5	3.60

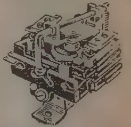
KA GENERAL-PURPOSE RELAYS



Compact, general purpose relays for transmitters, power supply control, etc. Moisture resistant. Heavy-duty contacts rated at 5 amps. AC coils for 60 cycles. All are U.L. Listed. 6-32 mounting stud. $1\frac{11}{16}$x$1\frac{27}{32}$x$1\frac{15}{32}$". Shpg. wt., 6 oz.

Stock No.	Type	Volts	Action	EACH
75 U 158	KA5AY	6 AC	SPDT	3.20
76 U 780	KA5AY	12 AC	SPDT	3.20
75 U 161	KA5AY	24 AC	SPDT	3.20
75 U 164	KA5AY	115 AC	SPDT	3.20
75 U 153	KA5AY	230 AC	SPDT	3.60
75 U 167	KA5DY	6 DC	SPDT	3.05
75 U 170	KA5DY	12 DC	SPDT	3.05
75 U 173	KA5DY	24 DC	SPDT	3.05
76 U 782	KA5DY	110 DC	SPDT	3.65
75 U 159	KA11AY	6 AC	DPDT	3.85
76 U 781	KA11AY	12 AC	DPDT	3.85
75 U 162	KA11AY	24 AC	DPDT	3.85
75 U 165	KA11AY	115 AC	DPDT	3.85
76 U 783	KA11AY	230 AC	DPDT	4.25
75 U 168	KA11DY	6 DC	DPDT	3.40
75 U 171	KA11DY	12 DC	DPDT	3.40
75 U 174	KA11DY	24 DC	DPDT	3.40
76 U 522	KA11DY	110 DC	DPDT	4.00
75 U 160	KA14AY	6 AC	3PDT	4.25
76 U 779	KA14AY	12 AC	3PDT	4.25
75 U 163	KA14AY	24 AC	3PDT	4.25
75 U 166	KA14AY	115 AC	3PDT	4.25
75 U 152	KA14AY	230 AC	3PDT	4.65
75 U 169	KA14DY	6 DC	3PDT	3.85
75 U 172	KA14DY	12 DC	3PDT	3.85
75 U 185	KA14DY	24 DC	3PDT	3.85
76 U 523	KA14DY	110 DC	3PDT	4.45

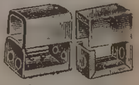
PC IMPULSE RELAYS



Compact, pulse-operated relay. For on-off or reversing applications. Pulses may be as short as 60 milliseconds at 5 cps. Gold-flashed silver contacts, rated 7.5 amps at 115 volts AC, resistive load. Size: $2\frac{1}{16}$x$2\frac{31}{32}$x$2\frac{5}{64}$". Shpg. wt., 5 oz.

Stock No.	Type	Volts	Action	EACH
76 U 504	PC11A	6 AC	DPDT	5.50
76 U 728	PC11A	12 AC	DPDT	5.50
76 U 502	PC11A	24 AC	DPDT	5.50
76 U 500	PC11A	115 AC	DPDT	5.50
76 U 726	PC11D	6 DC	DPDT	5.35
76 U 111	PC11D	12 DC	DPDT	5.35
76 U 506	PC11D	24 DC	DPDT	5.35
76 U 503	PC17A	24 AC	4PDT	7.60
76 U 501	PC17A	115 AC	4PDT	7.60
76 U 507	PC17D	24 DC	4PDT	7.45

RELAY CASES AND SOCKETS



PR Relay Case. Steel base with aluminum cover. 4—knockouts for ½" conduit. Mtg.: 3—No. 10 holes on $1\frac{7}{8}$x$4\frac{1}{8}$" centers. Size, $3\frac{1}{8}$x$5\frac{5}{16}$x$3\frac{3}{8}$". Shpg. wt., 1 lb.
76 U 777..........3.00

MR Relay Case. Steel base with a slip-on aluminum cover. 2—knockouts for ½" conduit. Mounts on pre-drilled holes. Wt., 1 lb.
76 U 778..............................1.90

Amphenol 77MIP8 Socket. For KRP and KCP relays. For all relays except KRP14 and KCP14. Octal type. Requires $1\frac{5}{32}$" hole. Mtg. centers, $1\frac{1}{2}$". Wt., 1 oz.
40 U 028..............................**.16**

Amphenol 77MIP11 Socket. For KRP14 and KCP14 types. Molded bakelite. Mounts in $1\frac{5}{32}$" hole; $1\frac{1}{2}$" mtg. ctrs. 11-pin. 1 oz.
40 U 033..............................**.21**

TYPE "P" RELAY CASES

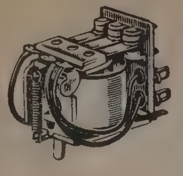
Model 35D070. Clear, cellulose acetate. For mtg. resistors, capacitors, etc. Octal-type plug. Same case as used with KRP and KCP relays. 4 mtg. screws. Use with 9-KR-15 hold-down spring (below) for special applications. $1\frac{13}{32}$x$1\frac{13}{32}$x 2". 1 oz.
75 U 558................**.55**

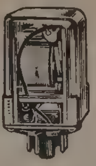
75 U 559. Type 35 D072 As above, but with 11-pin plug....................**.70**

Type 9-KR-15 Hold-Down Spring. For horizontal, inverted, and vibration-secure mounting of KCP and KRP relays. Stainless steel; two $\frac{5}{32}$" mtg. holes on $1\frac{5}{16}$" ctrs. 3 oz.
75 U 554................**Per Box of 50 5.00**

Knight, Potter & Brumfield and Sigma Relays

knight® RELAYS


Open Type


Enclosed Type

- Life Expectancy Exceeds 5,000,000 Operations
- Molded Nylon Bobbins
- Modular Construction
- Phenolic Terminal Blocks
- Open or Enclosed

Meet exacting requirements over a tremendous range of applications. In either open or enclosed plug-in types. Built-in contact wipe with riveted contacts for added dependability. Independently riveted coil terminals. Enclosed types have crackproof dust covers of clear, poly carbonate resin. Silver alloy gold-flashed contacts rated 10 amps at 115 VAC or 32 VDC, noninductive.

OPEN TYPES

Tinned solder terminals. 6-32 tapped mtg. hole. U.L. Listed. 1 11/32x1⅜x1¾". 2 oz.

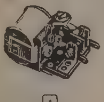
Stock No.	Coil		Action	EACH
	Volts	Ohms		
74 U 650	12 AC	20	SPDT	2.70
74 U 651	24 AC	75	SPDT	2.70
74 U 652	115 AC	1500	SPDT	2.70
74 U 653	12 DC	150	SPDT	2.60
74 U 654	24 DC	600	SPDT	2.60
74 U 655	12 AC	20	DPDT	3.30
74 U 656	24 AC	75	DPDT	3.30
74 U 657	115 AC	1500	DPDT	3.30
74 U 658	12 DC	150	DPDT	3.00
74 U 659	24 DC	600	DPDT	3.00
74 U 660	110 DC	10,000	DPDT	3.60
74 U 661	115 AC	1500	3PDT	3.70
74 U 662	24 DC	600	3PDT	3.40

PLUG-IN ENCLOSED TYPES

SPDT and DPDT use std. octal plug; 3PDT, 11-pin plug. 1 31/32x1 13/32x1 13/32". 3 oz.

Stock No.	Coil		Action	EACH
	Volts	Ohms		
74 U 663	12 AC	20	SPDT	5.00
74 U 664	24 AC	75	SPDT	5.00
74 U 665	115 AC	1500	SPDT	5.00
74 U 666	12 DC	150	SPDT	4.90
74 U 667	24 DC	600	SPDT	4.90
74 U 668	12 AC	20	DPDT	5.60
74 U 669	24 AC	75	DPDT	5.60
74 U 670	115 AC	1500	DPDT	5.60
74 U 671	12 DC	150	DPDT	5.50
74 U 672	24 DC	600	DPDT	5.50
74 U 673	110 DC	10,000	DPDT	5.90
74 U 677	115 AC	1500	3PDT	7.00
74 U 678	24 DC	600	3PDT	6.90

SENSITIVE SIGMA RELAYS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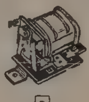
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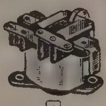
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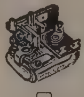
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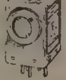
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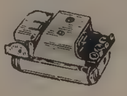

F

A **Type 4F.** A wide selection of plate circuit relays for any 20 or 50 mw. sensitivity application. Unenclosed, with screw mounting, solder terminal and coil lead connection. SPDT contacts rated at 2 amps. For smoke detection, burglar alarms and similar applications. Size, 1½x1⅝x1 5/32". Wt., 3 oz.

Stock No.	Mfr's Type	Ohms	Ma DC	EA.
76 U 126	4F-200-S/SIL	200	10.0	6.20
76 U 260	4F-500-S/SIL	500	6.5	6.20
76 U 377	4F-1000-S/SIL	1000	4.5	6.20
76 U 378	4F-2500-S/SIL	2500	3.0	6.20
76 U 379	4F-5000-S/SIL	5000	2.0	6.50
75 U 285	4F-8000-S/SIL	8000	1.6	6.75
76 U 127	4F-10000-S/SIL	10000	1.4	6.75

B **Type 41FZ AC Relay.** SPDT contacts rated: *2; †5 amps. Sensitivity, 0.06 to 0.4 VA. 2¼x1¼x1 5/16". 3 oz.

Stock No.	Mfr's Type	Volts AC	EA.
75 U 076	41FZ-10-ACG/SIL	6†	3.50
76 U 392	41FZ-35-ACS/SIL	6*	4.00
75 U 077	41FZ-200-ACG/SIL	24†	3.50
75 U 078	41FZ-5000-ACG/SIL	115*	3.65
76 U 394	41FZ-10000-ACS/SIL	115*	4.45

B **Type 41F DC Relay.** Same as above but designed for DC operation. Sensitivity, 32 to 200 mw.

Stock No.	Mfr's Type	Ohms	Ma	EA.
76 U 395	41F-5-S/SIL	5	90	3.85
76 U 396	41F-50-S/SIL	50	30	3.85
76 U 397	41F-200-S/SIL	200	15	3.85
76 U 398	41F-1000-S/SIL	1K	6.5	3.85
76 U 399	41F-5000-S/SIL	5K	3.0	4.00
76 U 400	41F-10000-S/SIL	10K	2.0	4.25

C **Type 11F.** Small, low-cost DC relay. 50 and 200 mw, sensitivity; SPDT contacts rated 1 amp. 1 7/32x1 3/16x1 1/16" high. 3 oz.

Stock No.	Mfr's Type	Ohms	Ma	EA.
76 U 895	11F-100-G/SIL	100	22.0	1.95
77 U 681	11F 250-G/SIL	250	14.0	1.95
77 U 683	11F-550-G/SIL	550	9.5	1.95
75 U 068	11F-1000-G/SIL	1000	7.0	1.95
75 U 070	11F-1500-G/SIL	1500	5.8	1.95
75 U 069	11F-2300-G/SIL	2300	4.6	1.95
76 U 896	11F-3500-G/SIL	3500	3.7	2.10
75 U 074	11F 6000-G/SIL	6000	2.9	2.15
75 U 075	11F-9000-G/SIL	9000	2.4	2.35

D **Type 5F.** For DC or AC, with balanced armature construction. SPDT, contacts rated 1 amp. Withstand shock up to 100 G. Unenclosed, with screw mtg., solder terms. Size, 1¾x1 5/16x1 11/16". 5 oz.

Stock No.	Mfr's Type	Ohms	Ma	EA.
76 U 380	5F-1000-S/SIL	1000	2.3	8.65
76 U 381	5F-2500-S/SIL	2500	1.4	8.65
76 U 382	5F-5000-S/SIL	5000	1.0	9.25
76 U 372	5F-8000-S/SIL	8000	0.8	10.15
76 U 383	5F-10,000-S/SIL	10,000	0.7	10.15
76 U 468	5F-16,000-S/SIL	16,000	0.55	10.95

E **Type 8R Photorelays.** Use Cds photocells. Tubeless. For "light-no light" conditions, except *, slowly changing light—35 ft.-candles to operate, 0.4 to release. Others, 5 ft.-candles to operate, 0.1-0.5 to release. Contacts rated 5 amps. 1⅞x1½x1½". Alum. dust covers. For 120 v., 50-60 cycle AC. 4 oz.

Stock No.	Mfr's Type	Contacts	Base	EACH
76 U 108	8RC01A	SPDT	5-pin	16.50
76 U 251	8RC02A	SPDT	5-pin	17.05
76 U 252	8RS01B*	SPDT	5-pin	17.60
77 U 697	8ROCC01A	DPDT	8-pin	20.35

C **Type 11FZ.** Small AC relays for positive on-off operation. SPDT contacts rated 1 amp at 28 VDC/120 V. AC. Size, 1 7/32x1 3/16x1 1/16". Shpg. wt., 4 oz.

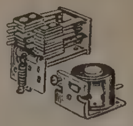
Stock No.	Mfr's Type	Coil Volts	Opt'g Voltage	EACH
76 U 547	11FZ-25-ACS/SIL	6	4.8	2.75
77 U 684	11FZ-40-ACS/SIL	6	4.9	2.75
77 U 000	11FZ-100-ACS/SIL	12	9.0	2.75
76 U 548	11FZ-150-ACS/SIL	12	9.5	2.75
76 U 549	11FZ-550-ACS/SIL	24	18	2.75
77 U 002	11FZ-2300-ACS/SIL	48	37	2.75
77 U 003	11FZ-6000-ACS/SIL	......	60	3.05
76 U 568	11FZ-9000-ACS/SIL	120	75	3.25

F **Type 26 Miniature Relays.** DC with SPDT action and balanced armature design. Op. sensitivity, 4-20 mw. SIL indicates silver contacts rated 1.0 amp @ 28 VDC or 120 VAC; PAL, palladium, 0.5 amp. Withstand shock to 100 G (non-operating). Screw mtg. with solder term. Unenclosed. 1x1⅞x1 1/16". 3 oz.

Stock No.	Mfr's Type and Coil Ohms	Ma DC	EA.
76 U 904	26F-1000-S/SIL	2.3	8.20
76 U 905	26F-8000-CDS/SIL	0.7	10.05
75 U 284	26F-8000-CDS/PAL	0.7	10.55
76 U 906	26F-12000-G/SIL	0.9	11.35

POTTER & BRUMFIELD R

GP "PIC AND BUILD" SER



Units available ca
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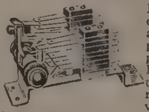
24 v. DC coil is
mately 300 ohms.
5000 and 10,000
may be used in pl
applications and can be adjusted to c
13, 8, and 6.5 ma respectively. ⅛"
switch contacts are rated at 5 a
tapped core to permit mounting w
8-32 screw. Size, 1x1 11/16x1 25/32". Av.

Stock No.	Mfr's Type	Descriptio
76 U 333	GPA	6 v. AC Co
76 U 539	GPA	12 v. AC Co
76 U 334	GPA	24 v. AC Co
76 U 335	GPA	115 v. AC Co
76 U 337	GPD	6 v. DC Co
76 U 338	GPD	12 v. DC Co
76 U 339	GPD	24 v. DC Co
76 U 341	GPD	2500-ohm Co
76 U 342	GPD	10.000-ohm C
76 U 343	GP11	DPDT Switc
76 U 344	GP17	4PDT Switch

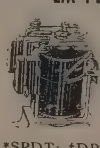
AP RATCHET IMPULSE REL



Fast acting for
quiring on-off or
action on alter
pulses. Operates
pulses as short a
Intermittent du
tacts are 3/16" fi
rated 5 amps.
wound on mol
bins. Phenolic cams, hardened steel
ratchet with pin hinged armature.
solder terminals. Mounting: Three 5
holes on 3⅜x⅞" triangular centers. S
2¼x3¾". AC types for 50-60 cycle. 1

Stock No.	Type	Volts	Actio
75 U 997	AP11A	6 AC	DPDT
76 U 581	AP11A	12 AC	DPDT
75 U 995	AP11A	24 AC	DPDT
75 U 993	AP11A	115 AC	DPDT
76 U 583	AP11A	230 AC	DPDT
76 U 585	AP11D	6 DC	DPDT
75 U 999	AP11D	24 DC	DPDT
76 U 589	AP11D	110 DC	DPDT
75 U 996	AP17A	24 AC	4PDT
75 U 994	AP17A	115 AC	4PDT
76 U 588	AP17D	12 DC	4PDT
75 U 778	AP17D	24 DC	4PDT
76 U 590	AP17D	110 DC	4PDT

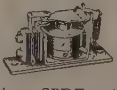
LM PLATE-CIRCUIT RELAY



For photoelectric a
lar circuits. Medi
high quality, curre
ated relays. Pull-in
able by tail spring a
screw. DC coils only
contacts rated 5 an
v., 60 cycles, non-i
load. Have 100 m
sensitivity for sin
200 mw for dou
*SPDT; †DPDT. Sizes are: LM5, 2
2 7/16": LM11, 2 3/16x2 5/32x2½". Av. shpg. w

Stock No.	Type	Ohms	Ma
75 U 673	LM5*	2500	6.3
75 U 674	LM5*	5000	4.5
75 U 675	LM5*	10,000	3.2
75 U 682	LM11†	2500	9.0
75 U 683	LM11†	5000	6.3
75 U 684	LM11†	10,000	4.5

LB-5 PLATE-CIRCUIT RELAY



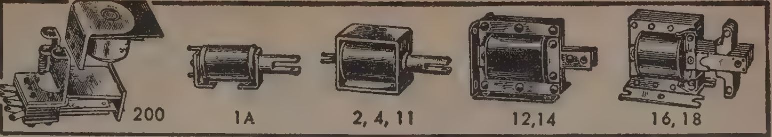
Small, fast-acting cir
lays. For any circuit
ing only a few milli
DC. Breakdown: 500 v
minimum. Silver cont
rated 5 amps at 115
60-cycle resistive. A
have SPDT action. Adjusted by bend
spring hook. Size, 2 21/32x1¼x1⅜". For
eration only. Shpg., wt., 5 oz.

Stock No.	Ohms	Ma	EA
75 U 625	2500	9	2.
75 U 626	5000	6.3	2.
75 U 774	10,000	4.5	2.

Allied stocks an extensive line of po
electronic components for experime
hobbyists and builders. A complete ind
given in the back of this book to hel
locate items you require.

Guardian, Amperite Relays and Hurst Motors

iversal Relays
lenoids
dget Stepper
lay Relays
ontact Protectors



GUARDIAN RELAYS AND SOLENOIDS

UNIVERSAL "200" SERIES COILS FOR ASSEMBLING CUSTOM RELAYS

l interchangeable parts for assembling custom relays. Listings
AC, DC, and plate coils, and switch contact assemblies. Complete
uires one coil and one contact assembly. For additional contacts
contact switch parts kit. Contact ratings given are at 115 v. 60
, non-inductive load. Size: with standard contact assembly, 2⅞x
"; midget assembly, 2 1/16x1⅛x1½". Av. shpg. wt., 4 oz.

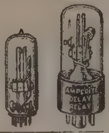
AC Coils			DC Coils		
No.	Volts	EACH	Stock No.	Volts	EACH
09	6	1.75	75 U 713	6	1.90
10	12	1.75	75 U 714	12	1.90
11	24	1.75	75 U 715	24	1.90
12	115	2.05	75 U 717	110	2.50
88	230	2.70			

79. **Type 200-5000 D Plate Coil.** 5000 ohms. 3 oz. 2.20
99. **Type 200-10,000 D Plate Coil.** 10,000 ohms. 3 oz. 2.50

SERIES 200 SWITCH CONTACT ASSEMBLIES FOR USE WITH COILS ABOVE

	Mfr's. Type	Description	EACH
7	200-1	SPDT std. contact assembly. 8 amps.	1.50
8	200-2	DPDT std. contact assembly. 8 amps.	2.00
4	200-4	DPDT std. contact assembly. 12.5 amps.	2.25
9	200-5	4PDT std. contact assembly. 8 amps.	3.50
8	200-M1	SPDT midget contact assembly. 8 amps.	1.40
9	200-M2	DPDT midget contact assembly. 8 amps.	1.75
6	200-M5	4PDT midget contact assembly. 8 amps.	2.85

AMPERITE DELAY RELAYS



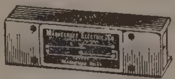
cally sealed in glass envelope with octal base
raws 2 watts. Contacts: SPST. 3 amps at 115
amp at 220 v. AC. Voltage Breakdown: Con-
0 v.; Heater-to-Contact, 800 v., except* 250
00 v. for delays of 10 sec. or less. Ambient tem-
s from −55° to +70° C. Size, Dia., 1 9/32";
ess prongs, 2⅞". Shpg. wt., 4 oz. *Be sure to*
ype number as well as Stock No.

	Type No. Normally Open			Type No. Normally Closed		
s	6.3 v.	26 v.	115 v.	6.3 v.	26 v.	115 v.
	6N02	26N02	115N02	6C2	26C2	115C2
	6N03	26N03	115N03	6C3	26C3	115C3
	6N05	26N05	115N05	6C5	26C5	115C5
	6N010	26N010	115N010	6C10	26C10	115C10
	6N015	26N015	115N015	6C15	26C15	115C15
	6N020	26N020	115N020	6C20	26C20	115C20
	6N030	26N030	115N030	6C30	26C30	115C30
	6N045	26N045	115N045	6C45	26C45	115C45
	6N060	26N060	115N060	6C60	26C60	115C60
	6N075	26N075	115N075	6C75	26C75	115C75
	6N090	26N090	115N090	6C90	26C90	115C90
	6N0120	26N0120	115N0120	6C120	26C120	115C120
	6N0150	26N0150	115N0150	6C150	26C150	115C150
	6N0180	26N0180	115N0180	6C180	26C180	115C180

5 C...**Each 2.40**

ure Relays. All types listed in above table, are also available in
e size except 150 and 180-second units. 9-pin, ¾x2⅝". Shpg.
z. *Specify type no., adding letter "T" following type number.*
: 6N02T.
6 C...**Each 2.40**

GNEREED SHIELDED DRY REED RELAYS



nt Mounting Flexibility and Economy
One-Piece Molded Design

t miniaturized dry reed relays. Of-
performance with no sacrifice of
stability or reliability.

02MPC SPST. Normally open contacts. Av. op. time, less
illiseconds. Average release time, less than ½ millisecond. Have
tacts rated 15 watts resistive at 1 amp, or 250 VAC. Average
ctancy is 20 million cycles at maximum rating. Mounting, tinned
inals, 3/16x.018x3/64". Four mounting holes, .089" diameter.

103MPC SPDT. Av. op. time, 2 milliseconds; average release,
econd. Contact bounce, 4 millisecond on release. Have gold con-
ed 10 watts, resistive at 0.5 amp, or 250 VAC. Average life ex-
is 25 million cycles at max. rating. Av. shpg. wt., 3 oz.

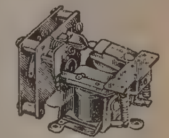
ock o.	Mfr's Type	Coil		EACH
		VDC	Ohms	
452	102MPCX-7	12	250	3.29
453	102MPCX-8	24	1000	3.29
458	103MPCX-3	12	250	5.83
459	103MPCX-4	24	1000	5.83

1A1 TO 18 SERIES INDUSTRIAL SOLENOIDS

*Intermittent-duty types for applications not requiring energization for more than 5 minutes with sufficient time between cycles for cooling. Should not be permitted to rise more than 85°C above 24°C ambient without time to cool. †Continuous duty types will not rise more than 85°C above 24°C ambient temp. when operated at rated load.

Stock No.	Type	Volts	Stroke	Lift Oz.	Size	Lbs.	EA.
75 U 890	1A1*	115AC	⅛-½"	8	1 1/16x1¾x15/16"	¼	3.00
75 U 891	1A1†	115AC	⅛-½"	3	1 1/16x1¾x15/16"	¼	3.00
75 U 154	2*	115AC	⅛-⅞"	27	1⅝x1 9/16x1 7/16"	¾	3.50
75 U 155	2†	115AC	⅛-⅞"	10½	1⅝x1 9/16x1 7/16"	¾	3.50
75 U 892	4*	115AC	⅛-1"	24	1⅝x2x1 7/16"	1	4.00
75 U 893	4†	115AC	⅛-1"	8	1⅝x2x1 7/16"	1	4.00
75 U 828	12*	115AC	⅛-1"	42	1 7/16x1⅝x1 3/16"	½	4.25
75 U 829	12†	115AC	⅛-1"	22	1 7/16x1⅝x1 3/16"	½	4.25
75 U 595	11*	6DC	⅛-1"	39	1 3/16x1 5/16x1 27/32"	½	3.00
76 U 318	11†	6DC	⅛-1"	26	1 3/16x1 5/16x1 27/32"	½	3.00
75 U 596	11*	24DC	⅛-1"	39	1 3/16x1 5/16x1 27/32"	½	3.00
76 U 319	11†	24DC	⅛-1"	26	1 3/16x1 5/16x1 27/32"	½	3.00
75 U 894	14*	115AC	⅛-1½"	110	2 1/16x2 7/16x1⅞"	1¼	5.75
75 U 895	14†	115AC	⅛-1½"	65	2 1/16x2 7/16x1⅞"	1¼	5.75
75 U 156	16*	115AC	⅛-¾"	96	1 7/16x1⅝x1⅛"	½	3.50
75 U 885	16†	115AC	⅛-⅝"	54	1 7/16x1⅝x1⅛"	½	3.50
76 U 320	16†	230AC	⅛-⅝"	54	1 7/16x1⅝x1⅛"	½	3.75
75 U 157	18*	115AC	⅛-1"	304	2 1/16x2½x1 13/16"	1	4.75
75 U 886	18†	115AC	⅛-1"	145	2 1/16x2½x1 13/16"	1	4.75
76 U 321	18†	230AC	⅛-1"	145	2 1/16x2½x1 13/16"	1	5.00

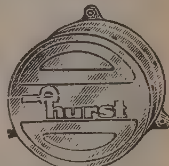
MER-115 MIDGET STEPPING RELAY



Electrical-reset stepping relay with 21 active positions. The relay resets from an external control on its own contacts. Contacts are rated at 1 amp at 115 v., 60 cycle, non-inductive. Stepping and reset coils 115 v., 60 cycle AC. Minimum set pulse, 50 ms; reset, 10 ms. Recommended for experimental purposes, original equipment, or replacement. Compact size, only 3¼x2 3/16x3¼". Shpg. wt., 13 oz.
75 U 282.............................**15.00**

HURST SYNCHRONOUS MOTORS

- CA, SM, PC-SM and EA Series
- Accurate, Cool-Running



CA Series—100 Inch-Ounce Reversible. For continuous timing applications such as alarm systems, displays, process controls, etc. Instantly reversible with SPDT switching; maintain accuracy both clockwise and counter-clockwise. Torque: 100 inch-ounce at 1 rpm. Case, 2½" dia. x 2⅛". Shaft, 3/16" dia., 1" long flattened. Power drain: 5 watts. For 95-130 v., 60 cycle AC. Shpg. wt., 18 oz.

SM Series—40-Inch-Ounce Unidirectional. Shaded pole, clockwise rotation. Instant start at full torque of 40 inch-ounce at 1 rpm. Power drain: 5 watts. Case, 2½" dia. x 1¾". Shaft, 3/16" dia. by 1" long. For 95-130 v., 60 cycle AC. Shpg. wt., 1 lb.

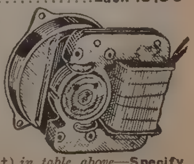
OUTPUT SPEEDS IN RPM

⅓	2½	8†	20†	33⅓	64	160	800
½*	3*	10*†	24	40	80	200	1000
1*†	4*†	12†	25	48	100	240	3600†
1½	5*	15*	30*†	50	120†	400	....
2*†	6*†	16	32	60*†	150	600	....

77 U 154 C. CA Series. All speeds in table above available —**Specify Speed**.......................**Each 10.88**

77 U 152 C. SM Series. *Available only in speeds indicated by asterisk* in table above*—**Specify Speed**.................**Each 10.68**

PC-SM Positive Clutch Series. Basic SM motor as described above, with positive clutch and instantaneous brake. Starts in 10 milliseconds or less—stops 60 RPM shaft in 6°; 1 RPM in 1/10°. Shpg. wt., 1¼ lbs. *Available only in speeds indicated by asterisk* (*) *in table above*—**Specify Speed.**
77 U 153 C. ½ to 60 RPM*..........................**Each 15.53**



EA Series. Synchronous motor, with 150 inch-ounce rating at 1 RPM. Open frame, shaded pole. Completely accurate, cool-running timing motor with clockwise rotation. Case measures 1⅝x2⅝x3¼". *Has 3/32x1" output shaft. Shpg. wt., 1¼ lbs.

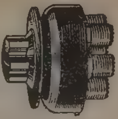
1-120 RPM†.
77 U 155 C.................**Each 7.75**

3600 RPM Only.
77 U 156....................**Each 5.20**

Available only in speeds indicated by dagger (†) *in table above*—**Specify Speed.**

Coaxial Relays, Cleaning Tools, and Counter

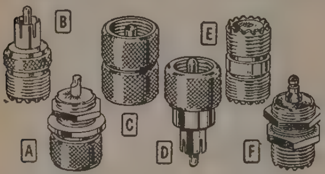
DOW-KEY MANUAL COAXIAL ANTENNA SWITCHES



DK78 Series. Offer excellent RF characteristics. Have 3/16″ diameter, silver contacts in shielded RF cavity. Rated 1 kw; impedance, 50 ohms. VSWR is less than 1.05:1 at 150 mc. Isolation, greater than 50 db at 500 mc and 8 db at 30 mc. Silver UHF connectors. Require 29/64″ mtg. hole, 5/32″ hole for key. *Indicates transfer-crossover switch. With mounting nut, dial plate, knob. Black anodized finish. 3″ diameter, 1⅛″ deep. Wt., 5 oz.

75 U 900. DK78-2. SPDT......12.75
75 U 901. DK78-3. SP3T.......12.75
75 U 902. DK78-6. SP6T......15.75
75 U 904. DK78-T. *T-C........15.75

DOW-KEY COAXIAL CONNECTORS



A **75 U 905. DK-201.** Male UHF panel type. Single ⅝″ hole mounting. 1 oz. 1.25

B **75 U 907. DK-210.** Female UHF to male phono type connector. Wt., 1 oz. 1.25

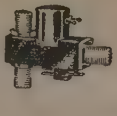
C **75 U 946. DKF-2.** Double male UHF locking type connector. Wt., 1 oz. .95

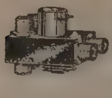
D **75 U 908. DK-211.** Male UHF to male phono type connector. Wt., 1 oz...1.25

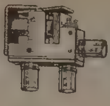
E **75 U 906. DK-202.** Double female UHF type connector. Wt., 1 oz.. ... .85

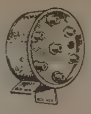
F **75 U 903. DK60-P.** Female UHF type. Single ⅝″ hole panel mounting. 1 oz. .70

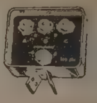
DOW-KEY COAXIAL ANTENNA RELAYS


DK60-G2C


DK2-60


DK61-BNC


DK-71


DK-72

DK-60 Series. Heavy-duty SPDT 50-ohm coaxial relays. Handle 1 kw. VSWR less than 1.15:1, 0-500 mc. DK60-G and DK60-G2C have patented automatic receiver protecting connector for greater than 100 db isolation between receiver and transmitter lines, from 0 to 500 mc. DK60-2C and DK60-G2C include external DPDT contacts for switching auxiliary circuits (rated 5 amps at 110 VAC). 2¾x3¾x1⅛″. 10 oz.

Stock No.	Mfr's Type	Con.	Coil Volts	EACH
76 U 114	DK60	UHF	12 DC	12.45
76 U 115	DK60	UHF	115 AC	12.45
75 U 953	DK60-G	UHF	12 DC	13.70
75 U 955	DK60-G	UHF	115 AC	13.70
76 U 118	DK60-G2C	UHF	12 DC	15.65
76 U 119	DK60-G2C	UHF	115 AC	15.65
76 U 116	DK60-2C	UHF	12 DC	14.35
76 U 117	DK60-2C	UHF	115 AC	14.35

DK2-60. DPDT coaxial unit for switching two lines simultaneously. Frequency range is 0-500 mc; power rating, 1 kw. VSWR, less than 1.15:1 from 0 to 500 mc; isolation greater than 30 db at 500 mc; loss is less than 0.03 db at 30 mc. Long life—over 1 million operations. 50 ohms. 2¾x3¾x1¾″. Shpg. wt., 12 oz.

76 U 149	DK2-60	UHF	115 AC	19.00

DK2-60B. Similar to DK2-60, above, but internally connected in the de-energized position. Shpg. wt., 12 oz.

75 U 956	DK2-60B	UHF	115 AC	19.00

DK61-BNC. High-performance SPDT type. Range, 0-1000 mc. VSWR, 1.1:1 at 400 mc. Crosstalk, —40 db at 400 mc. Capacity, 100 watts. Plated per MIL-QQS-365, QQP-416. Life, over 1 million operations. 1¼x⅝x19/32″. Shpg. wt., 6 oz.

76 U 148	DK61-BNC	BNC	28 DC	26.50

DK-71. SP6T weatherproof type f
switching of RF sources. Commo
tor may be switched directly to a
six positions. Range, 0-500 mc;
kw; VSWR, 1.1:1 at 100 mc; iso
db at 100 mc; life, greater than
operations. 50-ohms impedance.
2¾″ deep. Shpg. wt., 3 lbs.

Stock No.	Mfr's Type	Con.	Coil Volts
75 U 957	DK71	UHF	115 AC
75 U 958	DK71	UHF	24 AC
75 U 959	DK71	UHF	12 DC

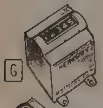
DK-72. SP3T weatherproof type.
Type DK-71, above, except ha
positions. 4x3½x3⅝″. 1½ lbs.

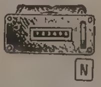
75 U 960	DK72	UHF	115 AC
75 U 965	DK72	UHF	24 AC
75 U 967	DK72	UHF	12 DC

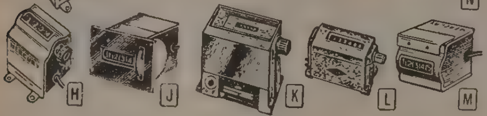
DK-77 Series. Miniature 50-ohr
types with phono or BNC connec
quency range, DC to 1000 mc; pov
up to 250 watts; VSWR, less tha
500 mc; isolation, greater than 30
mc; insertion loss, less than .03
mc; life, over 1 million operation
with 1C in Type no. have SPDT
switches rated 5 amps at 110 VAC
load. 2⅜x2⅛x1 1/16″ w/connector.

Stock No.	Mfr's Type	Con.	Coi Vol
75 U 910	DK77	BNC	12 D
75 U 911	DK77	BNC	28 D
75 U 912	DK77	Phono	12 D
75 U 913	DK77	Phono	28 D
75 U 914	DK77-1C	BNC	12 D
75 U 919	DK77-1C	BNC	28 D
75 U 923	DK77-1C	Phono	12 D
75 U 924	DK77-1C	Phono	28 D

ITT GENERAL CONTROLS CO.
ELECTRICAL COUNTERS







High-quality electric counters. For 60-cycle operation. All are 120 v., except *24 v. Reset except †non-reset.

Prefix CE-40. Small counters for coin-operated devices and light to moderate-duty industrial applications. Minimum make time 0.04 sec., break time 0.06 sec. Rated at 600 CPM. Enclosed in tamper-proof case, Reset units count to 4 digits, non-reset to 5. 1 lb.

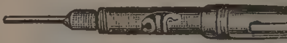
Prefix CE-600. Small counters for general industrial purposes. Have minimum make and break time of 0.03 sec. Enclosed in dust-resistant housing. Rated at 1000 CPM, 50-million count life. Have continuous-duty coils. 6 digits. 1 lb.

Prefix CE-800. Heavy-duty counter. For use on drill and punch presses, etc. Min. make and break duration, 0.03 sec. 1000 CPM. Tamper-proof aluminum case. 6 digits. Continuous duty coils. 5 lbs.

Stock No.	Mfr's Type CE-	Fig.	Size	Mount	Mounting Centers	EACH
65 U 910	40AN502†	G	2 31/64x1 23/32x2¼″	Base	1⅛x1 15/16″	7.75
65 U 909	40BN502†	K	1 5/16x1 23/32x2 27/64″	Panel	1 3/16x41/64″	8.35
65 U 901	40BS401	L*	1 15/16x2 13/16x2 27/64″	Panel	1 9/16x2 7/16″	15.95
65 U 902	40BS402	L	1 15/16x2 13/16x2 27/64″	Panel	1 9/16x2 7/16″	15.95
65 U 903	40AS412	H	2 31/64x1 23/32x2¼″	Base	1⅛x1 15/16″	15.25
65 U 905	600AS602	J	2½x1 13/64x3½″	Base	3 15/64x1 23/64″	22.40
65 U 907	600BS602	N	2 13/16x1⅞x4 7/16″	Panel	4 1/16x1½″	24.00
65 U 908	800CS602	M	4 11/16x3⅛x5⅝″	Base	5¼x2½″	43.00

JONARD RELAY TOOLS

POCKET CONTACT BURNISHERS



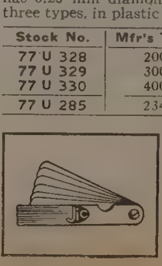
Compact tools for cleaning and burnishing relay contacts.
able steel blades. Leaves no residue. Chrome-plated ba
pocket clip, aluminum chuck. Plastic cap permits use
contacts. ⅜x5½″.

77 U 355. P-4 Burnisher. With 12 RB4 (¼x¾″ blades) 5 oz
77 U 356. P-6 Burnisher. With 12 RB6 (3/16x1¾″ blades.) 5
77 U 357. RB4 Replacement Blades 2 oz.........**Pkg. of** 25
77 U 358. RB6 Replacement Blades 2 oz.... ....**Pkg. of** 25

DIAMOND-FACED RELAY CLEANERS

Diamond-impregnated spatulas specifically designed for
relay contacts. Require only a gentle, even pressure to do a
cleaning job—contact gap is left unchanged. Types 200
have 0.55 mm diamond grain; have two diamond faces.
has 0.25 mm diamond grain. Type 234 is set of one eac
three types, in plastic case. 6″ long. Shpg. wt., 2 oz.

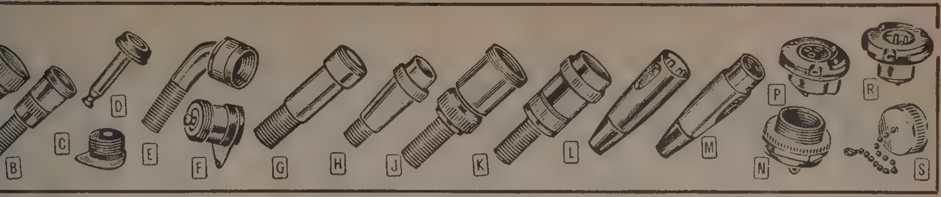
Stock No.	Mfr's Type	Description
77 U 328	200	For industrial relays
77 U 329	300	For intermediate relays
77 U 330	400	For sensitive relays
77 U 285	234	Set of one ea.: 200, 300, 400



RELAY CONTACT THICKNESS

Type 720N. Extremely useful g
measuring thickness of contact
on relays and switches. 26 s
blades measure thicknesses fro
to .025″. 3″ long. ½″ wide case
blades when not in use. 3 oz.
77 U 341. . ...

mphenol Microphone and RF Cable Connectors



MICROPHONE CONNECTORS

crophones listed in this catalog are supplied less connector. rom this complete selection of Amphenol connectors—you'll to meet any application. Precision construction assures connections free from noise, leaks or shorts. Cable plugs are equipped with spring-type cord protectors. When splicing 2 cords, use one 75-MC1F and one 75-MC1M connector for a strong, reliable connection.

SERIES 75 SINGLE-BUTTON CONTACT TYPES

connectors 5/8", 27 threads; *3/8" mounting holes. †Indicates connectors that are approximately half the size and weight of counterparts with same specifications. Av. shpg. wt., 3 oz.

o.	Type	Fig.	Description	EA.
8	75-MC1F	A	Cable plug	.46
5	75-MC1M	B	Cable plug	.42
5	*75-PC1M	C	Chassis receptacle, non-shorting	.37
2	75-MC1P	D	Phone plug adapter	.50
9	75-MC1FA	E	90° angle cable jack	1.28
7	*75-CL-PC1M	F	Chassis receptacle, closed circuit	.52
8	†75-1	A	Straight plug	.48
9	†75-2	B	Cable jack	.29
0	†75-3	F	Locknut receptacle	.33

S 80 SINGLE AND DOUBLE-PIN CONTACT TYPES

ed cables, single and two-conductor coax, etc. Center contacts nd socket type. *Single-contact type. †Polarized, double-conint in 5/8" hole with max. panel thickness of 11/32". Av. wt., 3 oz.

*80-C	N	Female chassis receptacle	.60
*80-C1	N	Male chassis receptacle	.60
*80-F1	H	Female Cable Plug	.66
*80-M	H	Male cable plug	.64
*80-M1	G	Male cable jack	.52
†80-MC2F	G	Female cable jack	.62
†80-MC2F1	H	Female cable plug	.70
†80-MC2M	H	Male cable plug	.68
†80-MC2M1	G	Male cable jack	.52
†80-PC2F	N	Female chassis receptacle	.60
†80-PC2M	N	Male chassis receptacle	.60

75-CCC1 Cap and Chain. Seals open chassis units against nd dust. Chain has eye for securing to panel. Used with both and 80 receptacles. Shpg. wt., 3 oz.
. ... .44

SERIES 91 3 AND 4-CONTACT TYPES

For portable equipment. Polarized. Clamps eliminate stress on soldered connections. *3 contact type. †4-contact. Panel 1/8" thick, max. Receptacles mount in 27/32" hole. Shpg. wt., 3 oz.

Stock No.	Type	Fig.	Description	EACH
41 U 970	*91-MC3F	J	Female cable jack	.84
42 U 667	*91-MC3F1	K	Female cable plug	.92
41 U 971	*91-MC3M	K	Male cable plug	.88
42 U 668	*91-MC3M1	J	Male cable jack	.80
41 U 972	*91-PC3F	N	Female chassis receptacle	.72
42 U 669	*91-PC3M	N	Male chassis receptacle	.82
41 U 977	†91-MC4F	J	Female cable jack	.90
42 U 670	†91-MC4F1	K	Female cable plug	.98
41 U 976	†91-MC4M	K	Male cable plug	.90
42 U 672	†91-MC4M1	J	Male cable jack	.82
41 U 978	†91-PC4F	N	Female chassis receptacle	.74
42 U 673	†91-PC4M	N	Male chassis receptacle	.82

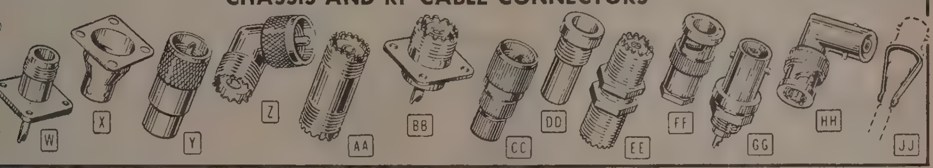
S **Type 91-CCC3 Cap and Chain.** Protects chassis jacks from dust. Used for series 91 microphone connectors. Shpg. wt., 3 oz.
42 U 674. .... .38

SERIES 91 "QUIK" 3 AND 4-CONTACT TYPES

Push together; released by slight pressure on lock button. Gold-Plated (over silver) bronze contacts. Incorrect insertions are impossible because connectors are polarized. Satin nickel-plated, zinc-alloy shells. *3-contact type. †4-contact type. Av. shpg. wt., 3 oz.

42 U 065	*91-853	L	Male cable plug	1.34
42 U 066	*91-854	M	Female cable plug	1.54
42 U 067	*91-855	R	Male chassis receptacle	1.00
42 U 068	*91-856	P	Female chassis receptacle	2.23
42 U 069	†91-857	L	Male cable plug	1.42
42 U 070	†91-858	M	Female cable plug	1.96
42 U 071	†91-859	R	Male chassis receptacle	1.04
42 U 072	†91-860	P	Female chassis receptacle	2.29

CHASSIS AND RF CABLE CONNECTORS



BNC Coaxial Connectors. Small, weatherproof connector net coupling. Low-voltage, single contact. *For 50-ohm RG- RG-58/U cables. †For 70-ohm RG-59/U, FG-62/U and . Plugs mate with 31-003 or jacks. Av. shpg. wt., 3 oz.

Military No.	Mfr's Type	Fig.	Description	EACH
UG-88/U	*31-002	FF	Plug	.60
UG-88B/U	*31-018	FF	Plug	.72
UG-88CU	*31-202	FF	Plug	.64
UG-89/U	*31-005	GG	Jack	.78
UG-260/U	†31-012	FF	Plug	.62
UG-260A/U	†31-021	FF	Plug	.68
UG-261/U	†31-015	GG	Jack	1.65
UG-262/U	†31-011	.....	Panel Jack	1.75
UG-274/U	31-008	.....	"T" Adapter	1.85
UG-290/U	*31-003	.....	Receptacle	.68
UG-290A/U	31-203	.....	Receptacle	.68
UG-291/U	*31-001	.....	Panel jack	1.80
UG-306/U	31-009	HH	Adapter, Right-Angle	2.25
UG-491A/U	31-218	.....	Male Adapter	2.00
UG-625/U	5575	GG	Receptacle	.68
UG-657/U	31-102	GG	Receptacle	.92
UG-1094/U	31-221	GG	Receptacle	.60
....	31-759	JJ	Shield Grounding Lug	.07

N Coaxial Connectors. Low-voltage. 70 ohms. *50 ohms. 3 oz.

Military No.	Mfr's Type	Fig.	Description	EACH
UG-21B/U	82-61	T	Plug	1.00
UG-57B/U	*82-100	....	Adapter, Straight Male	2.26
UG-58/U	82-24	W	Receptacle	.72
UG-58AU	*82-97	W	Receptacle	.88
UG-536/U	34000	T	Plug	3.20

Series 83 UHF Coaxial Connectors. Small single contact. Widely used for RF applications. All exposed metal is silver plated for superior performance. *Polystyrene insulation. †Mica-filled. Av. shpg. wt., 3 oz.

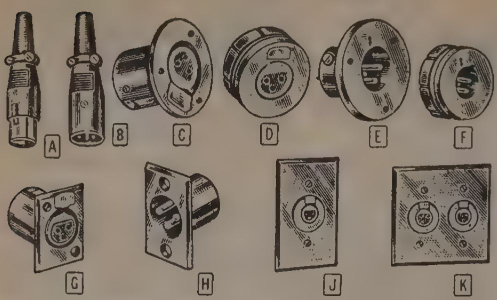
Stock No.	Military No.	Mfr's Type	Fig.	Description	EACH
40 U 357	UG-106/U M-360, 49193	83-1H	X	Hood	.32
42 U 450	UG-111/U	83-750	T	Plug	.70
40 U 360	UG-175/U	83-185	DD	Adapter, Reducing	.12
40 U 359	UG-176/U	83-168	...	Adapter, Reducing	.12
40 U 351	UG-177/U	83-765	X	Hook	.26
40 U 373	UG-203/U	83-776	Y	Plug	.92
40 U 356	UG-363/U	83-1F	EE	Adapter, Bulkhead	1.80
40 U 353	UG-646/U	83-1AP	Z	Adapter, Right Angle	1.50
40 U 354	M-358, 49199	83-1T	...	"T" adapter	2.38
42 U 452	M-359A	83-58	...	Adapter, Angle	1.94
40 U 355	PL-258, 49191	83-1J	AA	Straight adapter	.88
40 U 350	PL-259, 49190	83-1SP	Y	For RG/U 8, 9, 10, 11, 12, 13, 63, 65	.48
40 U 352	SO-239, 49194	83-1R	BB	Receptacle chassis type	.48
42 U 454	PL-259A, 49195	83-756	T	Plug	.92
40 U 372	PL-259A	†83-1SPN	Y	Plug	.70
42 U 455	SO-239	*83-1RTY	BB	Receptacle	.58
42 U 453	SO-239A	83-798	BB	Receptacle	1.06
42 U 457	PL-259, 49190	83-822	T	Plug	.96
40 U 361	UG/102/U	83-22SP	...	Plug	1.24
40 U 362	UG-103/U	83-22R	...	Receptacle	1.56

Solderless Type UHF Plug Connectors. Av. shpg. wt., 3 oz.

Stock No.	Military No.	Mfr's Type	Fig.	Description	EACH
40 U 509	....	83-850	CC	Plug for RG/U 11	2.30
40 U 510	....	83-851	CC	Plug for RG/U 8, 9, 10, 11, 12, 13, 63, 65	1.68

Cannon, Switchcraft, and Lab-Tronics Connecto

CANNON XLR AUDIO CONNECTORS



Audio connectors with clamp and resilient socket insulator. Minimize mechanical interference and reduce noise. Feature satin-nickel finish, integral cable clamp, neoprene cable relief and push-action latchlock. First number in Type column indicates number of contacts. -2G in Type No. indicates 2 gang. 3-contact types rated at 15 amps; 4-contact types rated at 10 amps. *Wall-type receptacles; †panel-type receptacles. ‡Indicates steel shell, others are die-cast zinc. Av. shpg. wt., 4 oz.

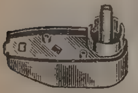
STRAIGHT CORD PLUGS

Stock No.	Mfr's Type	Fig.	Description	EACH
40 U 790	XLR-3-11C	A	Female (socket insert)	1.29
41 U 212	XLR-4-11C	A	Female (socket insert)	1.64
40 U 983	XLR-3-11SC‡	A	Female (socket insert)	3.49
40 U 984	XLR-4-11SC‡	A	Female (socket insert)	3.55
40 U 791	XLR-3-12C	B	Male (pin insert)	1.13
41 U 213	XLR-4-12C	B	Male (pin insert)	1.20
40 U 985	XLR-3-12SC‡	B	Male (pin insert)	2.68
40 U 986	XLR-4-12SC‡	B	Male (pin insert)	2.87

WALL AND PANEL RECEPTACLES

Stock No.	Mfr's Type	Fig.	Description	EACH
41 U 214	XLR-3-13†	C	Female (socket insert)	1.85
41 U 215	XLR-4-13†	C	Female (socket insert)	1.93
41 U 216	XLR-3-13N†	D	Female (socket insert)	2.14
41 U 217	XLR-4-13N†	D	Female (socket insert)	2.20
41 U 218	XLR-3-14*	E	Male (pin insert)	.83
41 U 219	XLR-4-14*	E	Male (pin insert)	.87
41 U 223	XLR-3-14N†	F	Male (pin insert)	1.73
41 U 224	XLR-4-14N†	F	Male (pin insert)	1.87
40 U 792	XLR-3-31*	G	Female (socket insert)	1.93
41 U 225	XLR-4-31*	G	Female (socket insert)	1.99
40 U 793	XLR-3-32*	H	Male (pin insert)	1.10
41 U 226	XLR-4-32*	H	Male (pin insert)	1.22
40 U 987	XLR-3-35*	J	Female (socket insert)	4.03
40 U 988	XLR-3-35-2G*	K	Female (socket insert)	7.42

G-C ELECTROCRAFT SOLDERLESS PHONO PLUGS

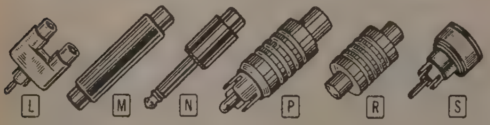


Handy right-angle design for fast, positive connections. Plastic shells. For std. shielded cable with 3⁄16" O.D. Overall length, 17⁄32". Pin dia., 1⁄8". Wt., 2 oz.

Stock No.	Mfr's Type	Shell Color	Stock No.	Mfr's Type	Shell Color
46 U 117	33-776	Gray	46 U 120	33-782	Yellow
46 U 118	33-778	Black	46 U 121	33-784	Blue
46 U 119	33-780	Red			

EACH. . ...31¢

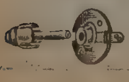
LAB-TRONICS JACK ADAPTERS, CONNECTORS



Type C400 allows rapid connection of two lines with pin plug ends. P55A allows connection of standard phono pin plug to phone jack. MP is phono pin plug with mike connector. Av. shpg. wt.. 4 oz.

Stock No.	Type	Fig.	Description	EA.
44 U 803	A754	L	2 Phono Pin Jacks; Phono Pin Plug	1.20
44 U 800	C400	M	Double-ended Phono Pin Jack	.60
44 U 801	P55A	N	Phono Pin Jack; Phone Plug	.75
44 U 805	A750	P	Phone Jack; Phono Pin Plug	1.05
44 U 806	A753	R	Phone Jack; Phono Pin Jack	1.05
44 U 802	MP	S	Microphone; Phono Pin Plug	.60

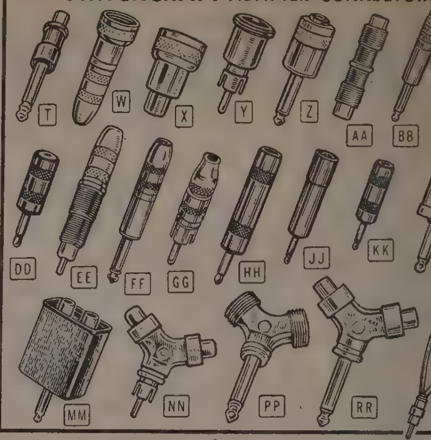
PERMONITE PHONO PIN PLUG AND JACK



Standard phono pin plug and jack used in most audio equipment. Take single conductor shielded cable. Av. shpg. wt., 2 oz. **10 per pkg.**

46 U 057 Pin Plug ....**Per Pkg.** 29¢
46 U 058 Pin Jack ....**Per Pkg.** 43¢

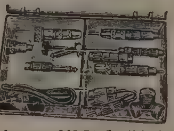
SWITCHCRAFT ADAPTER CONNECTORS



Provide quick, sure interconnection of various pieces of audio e
whose existing connectors would not ordinarily mate. Helpful
components to existing music systems- either temporarily
manently. All are shielded to assure reduction of high-frequen
Types 332A, 334A, 338B may be used with either male or fema
coupling ring is supplied. Av. wt., 6 oz.

Stock No.	Type	Fig.	Description
40 U 382	345A	T	Phone plug out; phono jack in.
41 U 768	332A	W	2-cond. phone jack input to femal male mike output; main body ½"
41 U 769	334A	X	Phone jack input to female micropl connector output.
41 U 795	338B	Y	Phono plug to make mike connecto
40 U 940	364	Z	2-cond. "tini-jack" input; stand phone plug out.
41 U 774	349A	AA	Phono plug coupler mates with pl plug at each end; gray plastic.
41 U 779	369	BB	Std. 2-cond. phone plug to 2-cond. s extension jack (used on late mo Revere and Wollensak recorders).
40 U 938	361	CC	2 cond. phone jack coupler mates phone plug at each end.
41 U 799	377	DD	"Micro-jax" input to 2-cond. "tini-pl
41 U 772	336A	EE	2-conductor phone jack input to ph plug output; main body ½".
41 U 618	352	FF	3-cond. phone jack to 2-cond. ph plug output.
41 U 619	365	GG	2-cond. "tini-jack" input to stand phono plug output.
41 U 789	374	HH	Phone jack to 2-cond. "tini-plug".
41 U 788	370	JJ	Phono jack to 2-cond. "tini-plug".
41 U 797	375	JJ	Phono jack to 2-cond. "micro-plug'
41 U 798	376	KK	Tini-jax input to 2-cond. micro-p
41 U 649	346	LL	Tip jack input to phone plug outpu
40 U 939	340	MM	2 std. phone jack inputs paralleled t cond. phone plug output
41 U 764	330F	NN	2 phono jacks connected in paralle standard phono plug.
41 U 994	330M	PP	Y-adapter, 2 male mike connectors standard 2-cond. phone plug.
41 U 229	330PJ	RR	Y-adapter; standard phone plug t phono jacks.
41 U 983	330F1	SS	Flexible Y-connector; 2 phono jack std. phono plug. Shielded. 4".
41 U 984	330F2	. .	Same as above, but phono plug phono jack to phono plug.
41 U 992	330F3	......	Same as above two types, but 1 ph plug to two phono plugs.

SWITCHCRAFT HANDY ADAPTER KIT-

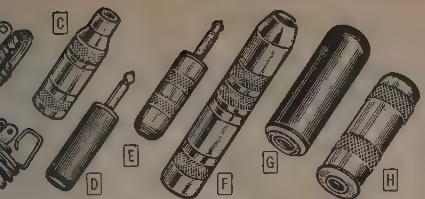


Eleven of the Most
Popular Adapters, Plus
Cable, in a Single Handy C

Type 331A. Consists of 11 adapters and one cable in a plast Includes one each of the following 25AF25—36" shielded cable with plug each end; 25Y mike-connec adapter; 330F1 flexible Y-adapter with phono connectors; 33 cond. phone jack input to female mike output; 334A, phon input to female mike connector output; 336A, phone jack in phono plug output; 336B, phone jack input to phono jack o 345, phono jack input to phone plug output; two each: Ty adapter, male mike input to phone plug output; Type 349 co phono jacks at each end. Shpg. wt., 1 lb.

44 U 906...

Switchcraft Plugs and Jacks



"LITTEL-JAX" PHONE JACKS

standard ¼″ phone plugs, except S-11, which takes S250, and 385 plugs, and C-12B which takes 480 Military-type, lug" ¾″ dia., 1⅛″ overall, with a ⅜″ dia. threaded shank, ⅛″ 1 and L-12A have bushing ⅜″ long. SCC indicates single cuit: OC indicates open circuit. Av. shpg. wt., 3 oz.

o.	Type	Diag.	Cond.	Circuit	JAN Type	EACH
5	11	I	2	OC	....	24¢
7	C-11	I	2	OC	JJ-034	36¢
9	L-11	I	2	OC	....	30¢
1	S-11	I	2	OC	....	27¢
3	12A	II	2	SCC	....	27¢
5	C-12A	II	2	SCC	JJ-089	45¢
7	L-12A	II	2	SCC	....	33¢
9	12B	III	3	OC	....	33¢
1	C-12B	III	3	OC	JJ-033	42¢
3	13B	IV	3	SCC	....	45¢

"TINI-JAX" SUBMINIATURE PHONE JACKS

-small 2-conductor jacks for "Tini-Plugs". ¹¹⁄₁₆″ long; fit ¼″ OC, open circuit; CC, closed circuit. Av. shpg. wt., 2 oz.

o.	Type	Diag.	Cond.	Circuit	JAN Type	EACH
3	41	I	2	OC	....	24¢
5	42A	II	2	CC	....	27¢

125 **"Tini-Extension Jax."** Two-conductor; solder lug termi- Mates with "Tini-Plugs," below. Wt., 2 oz.
2.. 75¢

"TINI-PLUGS" SUBMINIATURE PHONE PLUGS

with "Tini-Jax". 1⅝″ overall length. 2-conductor. Wt., 2 oz.

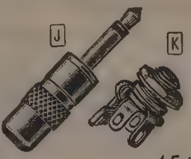
No.	Type	Fig.	Ter.	Handle	EACH
518	740	D	Screw	Black	45¢
519	745	D	Screw	Red	45¢
520	750	D	Solder	Black	42¢
521	755	D	Solder	Red	42¢
522	770	E	Screw	Shielded	63¢
523	780	E	Solder	Shielded	60¢

EXTENSION JAX" CABLE EXTENSION JACKS

ard ¼″ plugs. 1¹⁄₁₆″ O.D.; 2⁵⁄₃₂″ long. 121 and 131 ½″ O.D.; 2½″ are open circuit type. Shpg. wt., 3 oz.

o.	Type	Fig.	Cond.	Ter.	Handle	EACH
1	80	G	2	Screw	Black	.69
8	88	G	2	Solder	Black	.60
2	120	H	2	Screw	Shielded	.93
3	121	F	2	Solder	Shielded	.96
4	131	F	3	Solder	Shielded	1.20
1	830	G	3	Screw	Black	.93
7	1230	H	3	Screw	Shielded	1.17

ULTRAMINIATURE PLUGS AND JACK

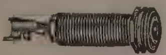


Series "Micro-Plugs." Handy miniature plugs and jack fea- ame uniformity, dependability y construction as famous "Littel- d "Tini-Plugs." Extremely small, long; ¼″ O.D.—⅓ the size of plugs! Have nylon insulation be- and sleeve circuits; sleeve ter- tinned brass. Tip and sleeve are ted machined brass. All have cuit cable clamp; accommodate ⁄64″ dia. With screw-on anodized handle. Shpg. wt. 2 oz.

4. Type 850. Black Handle.......................... 45¢
5. Type 855. Red Handle.......................... 45¢
6. Type 880. Natural Handle.......................... 45¢

A "Micro-Jax." For "Micro-Plugs." 2 cond. sgl. closed circuit; sable as 2 cond. open circuit. Requires .190″ mounting hole. ls up to ³⁄₃₂″ thick. Shpg. wt., 2 oz.
5.. 27¢

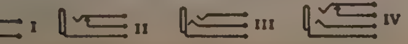
THICK-PANEL PHONE JACKS

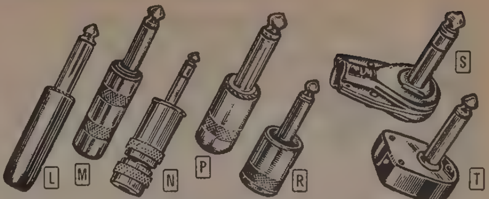


ra long bushings for use in panels up nick. Ideal for wall paneling, hi-fi in- s, etc. Shielded for microphone use. ½″ mounting hole. Wt., 2 oz.

3. Type 151. 2 Conductor.......................... 81¢
2. Type 152B. 3 Conductor.......................... 90¢

JACK SCHEMATIC DIAGRAMS





"LITTEL-PLUG" PHONE PLUGS

Small-size phone plugs; fit standard ¼″ phone jacks, except Types S250 and S280, .206″ sleeve for S-11 "Littel Jax" and for Bell & Howell equipment; Type R280 which has short sleeve for Revere recorders. Plugs with solder terminals feature built-in cable clamp; others do not include cable clamp. Metal (shielded) handles are nickel-plated brass; for use in microphone or other input leads as well as outputs requiring continuous shield. All handles are 1¹¹⁄₁₆″ long and ½″ in diameter. Av. shpg. wt., 4 oz.

Stock No.	Type	Fig.	Cond.	Color	Terminals	EACH
41 U 553	240	L	2	Black	Screw	45¢
41 U 554	245	L	2	Red	Screw	45¢
41 U 611	250	L	2	Black	Solder	42¢
41 U 614	S250	L	2	Black	Solder	45¢
41 U 612	255	L	2	Red	Solder	42¢
41 U 555	260	L	3	Black	Screw	72¢
41 U 616	267	L	3	Black	Solder	63¢
41 U 573	270	M	2	Metal	Screw	63¢
41 U 613	280	M	2	Metal	Solder	60¢
41 U 556	R280	M	2	Metal	Solder	75¢
41 U 719	S280	M	2	Metal	Solder	60¢
42 U 967	290	M	3	Metal	Screw	84¢
41 U 617	297	M	3	Metal	Solder	78¢

STANDARD PHONE PLUGS

Standard-size ¼″, 2-and 3-conductor type phone plugs to fit all standard jacks. Metal (shielded), red or black molded bakelite handles; 2¹⁄₁₆″ long, ¾″ diameter, except *1″ long. Type 170 is similar to 70, but has 2-piece handle with cable clamp for ¼″ cable. No. 190A is similar to 90, but has same handle as 170. Metal (shielded) handle types are for use in microphone or input cables and wherever continuous shielding is required. Av. shpg. wt., 5 oz.

Stock No.	Type	Fig.	Cond.	Color	Terminals	EACH
41 U 557	40	L	2	Black	Screw	.45
41 U 447	45	L	2	Red	Screw	.45
41 U 558	60	L	3	Black	Solder	.63
41 U 559	70	M	2	Metal	Screw	.72
41 U 560	90*	R	3	Metal	Solder	.78
41 U 561	160*	R	2	Metal	Screw	.54
41 U 562	170	N	2	Metal	Screw	.99
41 U 563	190A	N	3	Metal	Solder	1.17

"LUG-PLUG" PHONE PLUGS

Low-cost two-conductor, phone plugs. All fit ¼″ jacks. Have solder terminals. Exterior parts bright nickel plated. Black handle is 1⅝″ long, ½″ diameter. Type 380 has shielded, bare metal handle 1″ long, ½″ diameter. Av. shpg. wt. 4 oz.

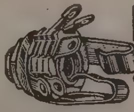
Stock No.	Type	Figure	Color	EACH
41 U 564	350	L	Black	33¢
41 U 566	380	P	Metal	42¢

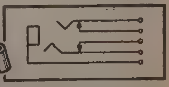
FLAT PHONE PLUGS

¼″ phone plugs featuring flat, space-saving handles. Ideal for applications where conventional plugs would protrude too far and interfere with operation of equipment, prevent installation in tight quarters, etc. Fig. T units have easily removable plastic handle; Fig. S units have shielded steel handle, bright nickel plated. Types 220 and 225 will accept standard phone tips. Type S230 is commercial version of Military Type PJ-068 plug; has .206″ diameter sleeve and tip. Terminals and body are mechanically interlocked. Av. shpg. wt. 4 oz.

Stock No.	Type	Fig.	Cond.	Color	Terminals	EACH
41 U 621	220	T	2	Black	Screw	.54
41 U 567	225	T	2	Red	Screw	.54
41 U 502	227	T	2	Black	Solder	.51
42 U 968	228	S	2	Metal	Solder	.57
41 U 568	230	T	3	Black	Screw	.78
41 U 569	235	T	3	Red	Screw	.78
41 U 503	237	T	3	Black	Solder	.75
42 U 969	238	S	3	Metal	Solder	.84
42 U 970	S230	T	3	Black	Solder	1.05

STEREO
"LITTEL-JAX"





SCHEMATIC

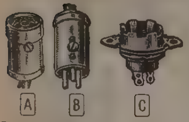
Three-conductor jack for switching-out speakers when connecting stereo headphones and for switching three-wire stereo input circuits. Mates with Switchcraft ¼″ "Littel-Plugs" such as 260, 267, 269 and 297. Insulation XXP phenolic. Springs tempered nickel-silver alloy. Integral contacts standard in the separate switching circuits. Nickel-plated brass bushing mounts in ⅜″ dia. hole. Length behind panel, 1″ With locknut and washer. 3 oz.
44 U 924.. 57¢

Make Allied headquarters for all of your electronic needs. You can depend on Allied for prompt service on your order.

Connectors, Jacks and Plugs

AMPHENOL CONNECTORS

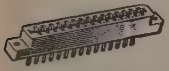
SERIES 91 MINIATURE CABLE CONNECTORS



Compact connectors for shielded or unshielded cables. Polarized contacts prevent incorrect insertion. For cables up to ¼" dia. Last letter in Type No. indicates: L, long (1³⁄₁₆"); S, short (¹³⁄₁₆"). Last fig. in Type No. denotes no. of contacts. PCG—chassis type. Figs. A and C are female types; Fig. B, male type. Av. shpg. wt., 2 oz.

Stock No.	Type	Fig.	EA.	Stock No.	Type	Fig.	EA.
40 U 320	91-MPF3L	A	.38	40 U 574	91-MPM4S	B	.34
40 U 571	91-MPF3S	A	.36	40 U 570	91-MPM5L	B	.39
40 U 321	91-MPF4L	A	.42	40 U 328	91-MPM6L	B	.42
40 U 572	91 MPF4S	A	.35	40 U 330	78-PCG3	C	.20
40 U 325	91-MPM3L	B	.35	40 U 331	78-PCG4	C	.24
40 U 573	91-MPM3S	B	.33	40 U 332	78-PCG5	C	.24
40 U 326	91-MPM4L	B	.35	40 U 333	78-PCG6	C	.29

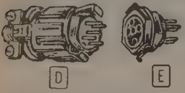
SERIES 143 PRINTED-CIRCUIT CONNECTORS



For PC networks. Mate with standard .055" to .073" PC board. "Circle Lip" contact entrance ensures firm contact with varying thicknesses of board; will not set. Diallyl phthalate dielectric; nontarnishing gold-plated contacts. Contacts on .156" centers. Maximum card insertion length is 1.097" for 143-006; 3.597" for 143-022. Average breakdown voltage: 5400 volts DC at sea level; 1150 volts DC at 60,000 feet. All are rated at 5 amps. *Polarizing key. Av. wt., ¼ oz.

Stock No.	Type 143-	Contacts	EACH	Stock No.	Type 143-	Contacts	EACH
41 U 090	006 01	6	1.23	40 U 501	018-01	18	1.31
40 U 503	010-01	10	.83	40 U 502	022-01	22	1.46
42 U 675	012-01	12	1.50	42 U 676	953	*	.02
40 U 500	015-01	15	1.08				

MINIATURE RACK PANEL AND CABLE CONNECTORS



Molded of diallyl phthalate dielectric material. Solder contacts gold finished over silver plating. Fig. E is hex nut type with threaded body for direct mounting to panel. Has locking clip for mating with Fig. D, hood and cable-clamp type. Fig. D is two-piece for easy wiring, has cable clamp for strain relief of soldered connections. Locking ring engages locking clip on mating unit. Both Fig. D and Fig. E available with either socket or pin contacts. Voltage breakdown, 2000 volts rms 60 cps at sea level. Current rating, 7.5 amps. Diameter of locking clip type, ⅝"; hood and clamp type, ¾". Length of cable-clamp type 1¹⁵⁄₆₄". *Female version of Fig. D; †male version of Fig. E. 5 oz.

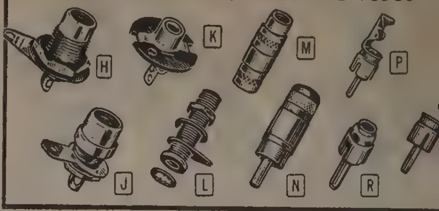
MALE CONNECTORS

Stock No.	Mfr's Type	Contacts	Fig.	EA.	Stock No.	Mfr's Type	Contacts	Fig.	EA.
40 U 644	126-217	5	D	1.40	40 U 638	126-216	5	†	.67
40 U 646	126-195	7	D	1.54	40 U 640	126-197	7	†	.80
40 U 648	126-220	9	D	1.66	40 U 642	126-219	9	†	.92

FEMALE CONNECTORS

40 U 645	126-223	5	*	1.81	40 U 639	126-218	5	E	1.08
40 U 647	126-196	7	*	2.09	40 U 641	126-198	7	E	1.35
40 U 649	126-222	9	*	2.39	40 U 643	126-221	9	E	1.66

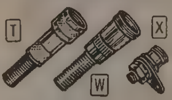
SWITCHCRAFT JACKS AND PLUGS



Easy-to-install phonograph jacks, phono pin plugs, and extensio

Stock No.	Mfr's Type	Fig.	Description
44 U 900	3501FR	H	Jack, rear-panel mtg. ⁷⁄₁₆" mtg. hole
44 U 902	3501FP	J	Jack, front-panel mtg. ¼" dia.
41 U 574	3501F	K	Standard 2-cond. audio jack
44 U 904	371	L	Adapter to mount 3501FP in panels up to 1½" thick
41 U 778	3503	M	Extension jack, shielded. Removable ¹³⁄₁₆" O.D. shell w/cable clamp
41 U 762	3502	N	Plug, shielded. ¹³⁄₃₂" O.D. easy-grip handle
41 U 763	3501MC	P	Plug, unshielded, ⅜" O.D. shell, cable clamp
41 U 599	3501M	R	Plug for 3501F, 3501FP, 3501FR, 3503
41 U 575	3508-1	S	Phono plug, red handle
41 U 576	3508-2	S	Phono plug, black handle
41 U 577	3508-5	S	Phono plug, white handle

MINI-CON MINIATURE MICROPHONE CONNECTO



About one-half size of standard m
nectors. For use with single-co
shielded cables to ³⁄₁₆" O.D. Nicke
brass bodies. Coupling ring on 55
movable for quick change of female
type. Cable-braid spring clamped
by hollow set screw. 5501MP, m
³⁄₁₆" hole. Av. shpg. wt., 2 oz.

Stock No.	Type	Fig.	Desc.	E
44 U 920	5501F	T	Female	
44 U 925	5501M	W	Male	
44 U 927	5501MP	X	Male	

H. H. SMITH

MOTOROLA-TYPE AND STANDARD PLUGS AND JA

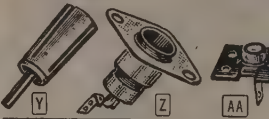
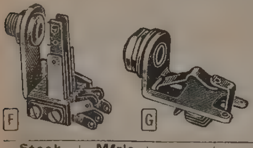


Fig. Y. Anten
in plug to conn
antenna lead-i
dio. Pin. dia. ½
Z. Jack to ma
Fig. Y plug. ¹⁵
ctrs. **Fig. AA.** J
mate with stand
plugs. 1½x1".

Stock No.	Type	Fig.	Description
41 U 152	1200	Y	Motorola-Type Plug
41 U 144	1207	Z	Motorola-Type Jack
41 U 179	1214	AA	Double Phono Jack

MALLORY PHONE JACKS

JUNIOR PHONE JACKS



F Compact jacks for standard ¼" phone plugs. Require only 1⁵⁄₁₆" behind panel. Cadmium-plated frames; nickel-plated brass shank, springs, mtg. hardware. ⅜" dia. threaded shank for panels ¼" thick. Silver contacts. *Conductors in mating plug. Wt., 3 oz.

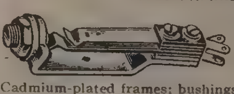
Stock No.	Mfr's Type	*Cond.	Circuit	Diagram	EACH
41 U 054	701	2	Open	I	.45
41 U 751	702A	2	Closed	II	.57
41 U 058	702B	3	Open	III	.57
41 U 059	703B	3	Closed-Transfer 1	IV	.60
41 U 060	704B	3	Closed-Transfer 2	V	.69

MIDGET AND INFANT PHONE JACKS

G Extremely small "Midget" and "Infant" type jacks for limited-space applications. All take ¼" phone plugs. "Midget" type jacks require only 1⁹⁄₃₂" mounting space behind panel; "Infant" type requires only ⅞" behind panel. Cadmium-plated steel frames with nickel-plated brass shank, springs, and mounting hardware. ⅜" threaded shank for mounting in panels up to ¼" thick. *Conductors in mating plug. All are "Midget" type except A-1 "Infant" type jack (not illustrated). Av. shpg. wt., 2 oz.

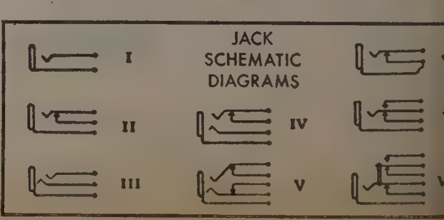
Stock No.	Mfr's Type	*Cond.	Circuit	Diagram	EACH
41 U 050	A-1	2	Open	I	.33
41 U 051	A-2	2	Shorting	VI	.48
41 U 053	A-2A	2	Closed	II	.57
41 U 056	A-3A	2	Closed-Transfer 1	VII	.66

LONG-FRAME PHONE JACKS



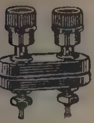
Industrial-type jacks are ic
headphones, microphone co
plug connections, etc. Take s
¼" phone plugs. Mount in
hole in panels up to ¼" t
means of a ⅜" threaded
Cadmium-plated frames; bushings and springs are nickel plated
contacts for low contact resistance. Size, 3⅛x1⅛x⁹⁄₁₆" wide. *I
number of conductors in mating plug. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	*Cond.	Circuit	Diagram
41 U 745	1	2	Open	I
41 U 746	2	2	Shorting	VI
41 U 747	2A	2	Closed	II
41 U 055	5	2	Closed & Transfer	VIII



Binding Posts, Plugs and Jacks

H. H. SMITH


B

C

D

E

F

G

5-WAY and MULTI-PURPOSE BINDING POSTS

208. Five-way metal binding post. Accepts banana plug, e tip, spade lug, alligator clip or wire strand. Mounts in .171" an·ls from 1/16" to ⅜" thick. Body: brass, nickel-plated. Head: hex brass nickel-plated. Has wrap-around solder stud. With 2 nuts. Shpg. wt., 3 oz.
7 .... **Each .21**

224. Dual 5-way binding post assembly with black, insulated heads. Accepts single or dual banana plugs. Mounts in two on ¾" mounting centers in panels up to ¼" thick. Has solder ½" base. Body: brass, nickel-plated. With 4 mtg. nuts. 4 oz.
3 .... **Each .54**

269BB. Similar to Type 224, above, but has black hex-grip ted heads. Shpg. wt. 4 oz.
9 .... **Each .66**

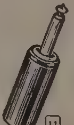
. Type 269 RB. As above, with one black, one red head . . **.66**

urpose Posts. Rated 2000 v., 30 amps. Captive heads. Length total closed. For panels 1/16-¼" thick. *Locking edge. †Banana- in head; also accepts phone tip, lug, etc. ‡Grounding types. der connection to stud. Av. shpg. wt., 2 oz.

o.	Type	Fig.	Mounting	Length	Color	EACH
3	257*†§	C	½"	1 43/64"	Red	.36
7	257*†§	C	½"	1 43/64"	Black	.36
9	220†‡	D	11/64"	1 ¼"	Red	.18
5	220†‡	D	11/64"	1 ¼"	Black	.18
3	260*†	E	5/16"	1 11/16"	Red	.26
9	260*†	E	5/16"	1 11/16"	Black	.26
4	377‡§	F	11/64"	1 ⅜"	Red	.26
6	377‡§	F	11/64"	1 ⅜"	Black	.26
7	378§	F	23/64"	1 ⅜"	Red	.26
3	378§	F	23/64"	1 ⅜"	Black	.26

110. Brass, for heavy-duty use. 2 1/32" long. 3/16" mounting Shpg. wt., 2 oz.
1 .... **Two for .30**

STANDARD ¼" PHONE PLUGS AND JACK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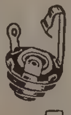

J

or phone plugs and jack. Plugs have e terminals and are available with or black break-resistant Tenite plas- s; all metal parts, except screws, have ting. Terminals, insulation, plus body od are mechanically interlocked to urning. Overall length, 2⅞". Open -conductor jack has ⅜" diameter shank 9/32" long; requires only 1" be- l. Interlocked for dependable opera- shpg. wt., 3 oz.

o.	Type	Fig.	Description	EACH
7	222	H	Standard Phone Plug (**black**)	.39
8	222	H	Standard Phone Plug (**red**)	.39
9	275	J	Standard Phone Jack	.27

PHENOL MINIATURE AND STANDARD PLUGS

TYPE 71 MINIATURE HIGH-DIELECTRIC PLUGS

efficient, high-dielectric plugs. Excellent for trans- eceivers, intercoms and speaker connections. Securely nickel-plated brass prongs; deeply recessed to prevent used by pulled back insulation. Easily soldered. For h up to six conductors. Contacts are polarized to assure nnections. All types fit Amphenol 78-S series retainer- miniature sockets listed on page 312 in this catalog. 5 amps @ 500 volts. Av. shpg. wt., 2 oz.

Mfr's Type	Prongs	TWO FOR	Stock No.	Mfr's Type	Prongs	TWO FOR
71-3S	3	.18	40 U 149	71-5S	5	.24
71-4S	4	.22	40 U 179	71-6S	6	.30

YPE CP STANDARD BAKELITE PLUGS

lugs for chassis connectors with plug-in units. er plate below for replacement mounting. RMS tings: 86-CP4, 2000 v.; CP-11 and CP-12, 500 ers, 1250 v. With mounting ring for 1 11/64" holes 1/64" keyed hole. †Have guide post and aligning L has large pins; CP7S has small. Fit std. tube age 312. Av. wt., 2 oz.

Mfr's Type	Pins	EACH	Stock No.	Mfr's Type	Pins	EACH
86-CP4	4	.17	40 U 020	86-CP8†	Octal	.20
86-CP5	5	.18	40 U 021	86-CP9†	9	.21
86-CP6	6	.19	40 U 022	86-CP11†	11	.24
86-CP7L*	7	.22	42 U 654	86-CP12†	12	.25
86-CP7S	7	.20				

001-03 Adapter Plate. Nickel-plated steel. For use with all above except 86-CP7L. 1½" to 1⅞" mtg. centers. 2 oz.
.... **2 for .10**

ACI UNIVERSAL "ADLOC" BINDING POST

- "Push" for Quick Positive Lock and Disconnect
- Secure Connections Are Made from the Top

Push down on top, insert wire (up to 12 gauge), release and positive contact is made instantly. To disconnect, just push again. Can take several wires at same time. Also accepts spade lugs, banana plugs, clamps and prods. Brass nickel-plated post, nylon plastic insulator. Rated 30 amps at 1000 v., rms. Mounts in .314" hole in panels 1/32" to ¼". Size, 2 3/32x⅝". Wt., 3 oz.

39 U 025. Type AL2000B. Black .... **Each .55**
39 U 026. Type AL2000R. Red .... **Each .55**

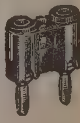
E. F. JOHNSON POSTS AND PLUGS

Six-Way Molded Binding Posts. Silver-plated brass shank. Insulation resistance over 200 megs. Rated at 15 amps; breakdown, 8000 v. DC. Size, 1 15/16x7/16" dia. with 5/16"-32 nut for mtg. in 21/64" dia. hole. 3 oz.

Stock No.	Type	Color	Stock No.	Type	Color
46 U 323	111-101	White	46 U 333	111-104	Green
46 U 329	111-102	Red	46 U 290	111-110	Blue
46 U 332	111-103	Black	46 U 335	111-107	Yellow

Your Choice .... **Each .30**

110-20 Mounting Plate. Etched aluminum. For mtg. 2 nylon binding posts or banana jacks on ¾" ctrs. 1¼x½". 2 oz.
46 U 336 .... .02

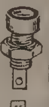


Solderless Dual Banana Plugs. Molded body has polarity indication and strain relief hole for wire leads. Plug springs are nickel-silver. Body is nickel-plated, machined brass. Brass studs. Pins have ¾" spacing. Rated 15 amps; breakdown, 10,000 v. DC. Plug-to-plug capacity, 1.3 mmf. Overall lgth., 1 19/32". 2 oz

Stock No.	Type	Color	Stock No.	Type	Color
46 U 337	108-201	White	46 U 344	108-204	Green
46 U 338	108-202	Red	46 U 291	108-210	Blue
46 U 339	108-203	Black	46 U 347	108-207	Yellow

Your Choice .... **Each .60**

E. F. JOHNSON BANANA JACKS AND PLUGS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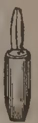
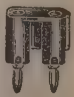

L

Series 108. Low-loss body. Capacity to 1/16" metal panel, 2.4 mmf. Breakdown test 12,500 v. DC. Jacks (fig. K) have cadmium-plated insert. Supplied with 5/16"-32 nut for mtg. jack in 21/64" dia. hole. Plugs (fig. L) have one-piece nickel-plated brass body and pin with nickel-silver springs. Solderless connection takes up to No. 16 stranded wire. Insulating sleeve on plug. 6 colors. Overall lengths: jack, 15/16"; plug, 1⅜". Av. shpg. wt., 2 oz.

Color	Stock No.	Type	Fig.	EA.	Stock No.	Type	Fig.	EA.
White	46 U 371	108-901	K	.10	46 U 379	108-301	L	.19
Red	46 U 372	108-902	K		46 U 380	108-302	L	
Black	46 U 373	108-903	K		46 U 381	108-303	L	
Green	46 U 374	108-904	K		46 U 382	108-304	L	
Blue	46 U 297	108-910	K		46 U 298	108-310	L	
Yellow	46 U 377	108-907	K		46 U 384	108-307	L	

GENERAL RADIO DOUBLE PLUG



Type 274-MB. Dual plug for standard banana jacks. On ¾" centers. Also accepts phone tips or wire to No. 12. Jacks in top permit use of units in tandem. 15 ampere rating. Body size, 1 5/16x1 11/16". Shpg. wt., 3 oz.
41 U 242. .... **Each .65**

SUPERIOR BINDING POSTS

FUSED 5-WAY BINDING POST

- Does Away with Wiring of Separate Units
- Fuse Easily Accessible from Panel Front

Combines a fuseholder and 5-way binding post in one handy unit. No need for separate wiring. Fine for limited panel-space areas. Molded phenolic resin. Takes standard 3AG fuse. Mounts in ⅝" hole in panels up to ¼" thick. Rated 15 amps at 250 volts. Requires thumbnut, listed below. Shpg. wt., 2 oz.
41 U 180 .... **Each 1.40**

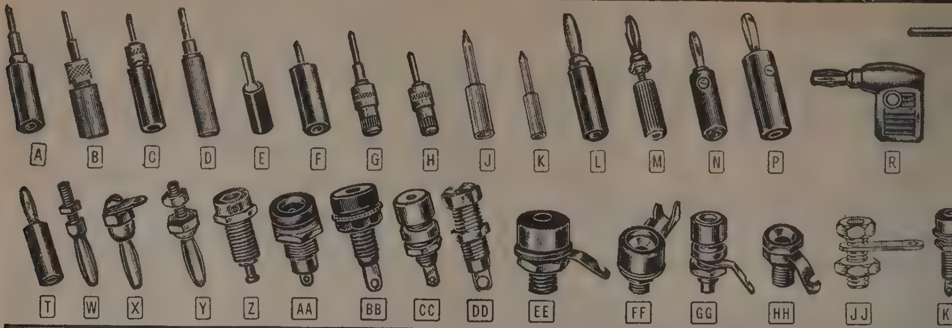
Thumbnuts. For above. Choice of 2 colors. **Specify Black or Red.** Shpg. wt., 1 oz.
41 U 181C .... **Each .10**

HEX-NUT TYPE BINDING POSTS

Exceptionally versatile posts take spade lugs, banana plugs, clip leads, up to No. 12 wire through center hole, or looped and clamped around shaft. All have gold-plated brass current-carrying parts and durable nylon plastic insulator and captive nut except type GP30NC, which is nickel-plated grounding-type binding post. All rated 30 amps at 1000 volts. Mount in ½" holes in panels 1/16" to ¼" thick. Size, 2 3/64x½" diameter. With hexagonal thumbnut. Shpg. wt., 2 oz.

Stock No.	Type	Color	EA.	Stock No.	Type	Color	EA.
41 U 172	DF30YC	Yellow	.40	41 U 178	DF30RC	Red	.40
41 U 173	DF30GNC	Green		41 U 198	DF30BLC	Blue	
41 U 174	DF30WTC	White		41 U 000	GP30NC	Nickel	
41 U 177	DF30BC	Black					

H. H. Smith Plugs and Jacks



INSULATED TIP PLUGS

A Type 229 Heavy-Duty Phone Tip Plug. Insulated handle of unbreakable plastic. One-piece nickel-plated brass construction for heavier current applications. Has large dia. to accept heavy-duty wire. 2⅛" long. Shpg. wt. 3 oz.
39 U 100. Red
39 U 101. Black......Each 18¢

B Type 200 "Senior" Solderless Phone Tip Plug. Knurled nut tightens against wire making soldering unnecessary. Plug is nickel-plated brass; handle, plastic. 2⅛" long. Wt., 3 oz.
39 U 103. Red
39 U 104. Black......Each 18¢

C Type 201 "Junior" Solderless Phone Tip Plug. Has same tightening assembly as Type 200, above. Plastic handle; nickel-plated brass. 1 29/32" long. 3 oz.
39 U 106. Red
39 U 107. Black......Each 18¢

D Subminiature Phone Tip. ¼" O.D. bone fiber handle. Nickel-plated brass body. 1 23/32" overall length. 2 oz.

Stock No.	Type	Color
39 U 109	270	Red
39 U 110	270	Black

Each.....................22¢

E Type 237 Hollow Phone Tip Plug. Unbreakable plastic handle. Nickel-plated drawn brass. For standard tip jacks. 1⅛" long. Shpg. wt., 3 oz.
39 U 111. Red
39 U 112. Black......Each 12¢

F Short Phone Tip Plug. Shoulderless tip permits insertion to insulated handle. Nickel-plated brass body. 1½" long. Shpg. wt., 3 oz.

Stock No.	Type	Color
39 U 113	203	Red
39 U 114	203	Black

Each.....................15¢

NON-INSULATED TIP PLUGS

G Type 105 "Senior" Solderless Phone Tip Plug. Has knurled nut for fastening wire. 1 21/32" long. Shpg. wt. 2 oz.
39 U 116............Each 13¢

H Type 106 "Junior" Solderless Phone Tip Plug. As above but 1 3/16" long. 2 oz.
39 U 117............Each 13¢

J Type 123 Heavy-Duty Cord Tip. Fits standard phone tip jacks. 1" long. Nickel-plated brass. Solder type. Shpg. wt., 2 oz.
43 U 985. Pkg. of 10..... 30¢

K Type 108 Standard Cord Tip. For test panels, headphones, etc. Length, 1". 2 oz.
43 U 986. Pkg. of 10...... 25¢

RIGHT-ANGLE TYPE MOLDED METER PLUGS

R Banana-Type Meter Plug. Four-leafed phosphor bronze spring; nickel-plated. Tip is 13/32" long. Color-coded for ready identification. Shpg. wt., 2 oz.

Stock No.	Type	Color
39 U 118	255	Red
39 U 119	255	Black

Each.....................42¢

S Meter Tip Plug. Molded in two halves for easy assembly with screw and nut. Nickel-plated tip is ½" long. Color-coded in red or black. Shpg. wt., 2 oz.

Stock No.	Type	Color
39 U 120	235	Red
39 U 121	235	Black

Each.....................32¢

INSULATED BANANA PLUGS

L Insulated, Spring Tip. Molded plastic handle. Wire can be soldered to brass stud which is supplied, or directly into plug. Length, 1 13/16". Choice of red or black. Shpg. wt., 2 oz.

Stock No.	Type	Color
39 U 122	212	Red
39 U 123	212	Black

Each.....................25¢

M Type 236 Insulated, Spring Tip. Plastic handle. Nickel-plated tip. Fits all standard banana jacks. Four leafed spring provides lasting contact. Length, 1 15/16". Identify easily with color codes. Shpg. wt., 2 oz.
39 U 127. Red.
39 U 128. Black....Each 40¢

N Insulated, Spring Tip. Solderless; has set screw in plastic handle. Nickel-plated tip. Length, 1⅝". Choice of red or black. Shpg. wt., 2 oz.

Stock No.	Type	Color
39 U 129	204	Red
39 U 130	204	Black

Each.....................22¢

P Insulated, Split Tip. Solderless; has set screw to secure plastic handle to tip. 1 9/16". Choice of red or black. Shpg. wt., 2 oz.

Stock No.	Type	Color
39 U 134	213	Red
39 U 136	213	Black

Each.....................22¢

T Type 211 Insulated Spring Tip. Nickel-plated brass tip. Wire can be soldered to brass stud supplied. Tip screws into plastic handle. 1⅝". 2 oz.
39 U 138. Red
39 U 056. Black.......... 22¢

NON-INSULATED BANANA PLUGS

W Type 103 All-Metal, Spring Tip. Has solder lug. Four-leafed spring. Nickel-plated. 6-32x ½" stud. 1 9/32". 2 oz.
39 U 145...........Each 18¢

X Type 100 All-Metal, Spring Tip. As above, but internal threads permit use on all size panels. 2 9/32". Wt. 2 oz.
39 U 146...........Each 18¢

Y Type 102 All-Metal, Spring Tip. Nickel-plated, one-piece construction. 6-32x⅜" stud. Length, 1¾". Wt., 2 oz.
39 U 147...........Each 18¢

TIP JACKS

Z Miniature Nylon Tip Jack. Phosphor-bronze with gold plating. Fits in ¼" hole; mounts in panels up to ¼" thick. Overall size, 5/16x63/64" dia. 2 oz.

Stock No.	Type	Color
39 U 150	1505	Red
39 U 151	1505	Black

Each.....................25¢

AA Nylon Tip Jack. Completely insulated; has phosphor bronze contact. 1½". 2 oz.

39 U 155	240	Red
39 U 156	240	Black

Each.....................22¢

BB Insulated Tip Jack. Body is nickel-plated brass with phosphor-bronze spring. Molded plastic head. Jack mounts in 5/16" hole in panels up to ¼" thick. 1x 7/16". Shpg. wt., 2 oz.

39 U 160	202	Red
39 U 161	202	Black

Each.....................17¢

CC Type 241 Insulated Tip Jack. Has sturdy molded nylon head and insulating washer. Nickel-plated brass body. Mounts in 5/16" hole. Shpg. wt., 2 oz.
39 U 163. Red
39 U 164. Black....Each 20¢

DD Type 107 Non-Insulated Tip Jack. ¼" mtg. hole; ⅜" max. panel. 2 oz.
39 U 168...............Each 13¢

BANANA JAC

EE Insulated Banan With solder lug an able top. 5/16" mtg. hole; thickness. 43/64" long. 2 o

Stock No.	Type
39 U 169	205
39 U 170	205

Each...................

FF Insulated Banan Has molded plast Fits 5/16" mounting hole max. panel thickness. 2 o

Stock No.	Type
39 U 174	219
39 U 175	219

Each...................

GG Type 221 Insula nana Jack. Mold head and insulating wa mtg. hole; ¼" panel thi oz.
39 U 179. Red
39 U 180. Black....Ea

HH Type 101 Non-I Banana Jack. Bra lug. 5/16" mtg. hole; ½" m thickness. 2 oz.
39 U 185...............

JJ Type 109 Non-I Banana Jack. ¼" m ⅝" thickness. 2 oz.
39 U 186...............

COMBINATION JA

KK Insulated Comb Jack. Accommoda standard phone tip or plugs. Nickel-plated bra Mounts in 5/16" hole; pane thick. Length, 1 5/32". Wt.,

Stock No.	Type
39 U 187	206
39 U 188	206

Each...................

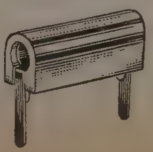
INSULATED SPADE

LL Banana Plug To Lug Adapter. Jack allows insertion of bana 1 39/64" long. ⅜" O.D. 2 oz.

Stock No.	Type
39 U 195	218
39 U 197	218

Each...................

H. H. SMITH TYPE 430 RIGHT-ANGLE PC TEST

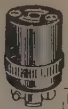


Provides reliable test-point connect printed circuit boards. Jack snaps int holes, then is soldered in place with ot ponents. Molded nylon body. Accept ard .080" dia. probe tips. Double entry Mounts in .052" dia. holes, on .400" For boards up to 3/16" thick. Rated 5 1500 v., 60 cycle AC. Thermal shock, vi humidity, insulation resistance, and sa tests per MIL-STD-202B. 2 oz.
39 U 143. Type 430-102. Red....2
39 U 144. Type 430-103. Black...2

Connectors, Plugs and Sockets

BBELL "TWIST-LOCK" MIDGET CONNECTORS

A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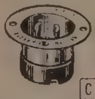
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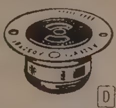

D

d 3-wire heavy-duty electrical connectors in midget sizes. nique "Twist Lock" design for positive lock-fast electrical s. Units lock with a twist of the cap; you simply plug in, they lock! Connectors never disconnect accidentally regard- treatment to which they are subjected ensuring a maximum nd a minimum of time loss. Conform to National Electrical dard. Av. shpg. wt. 3 oz.

2-WIRE NON-POLARIZED TYPES

3 male cap and Type 7427 female connector are of brown ith metal cable clamps for 5⁄16 to ½" O.D. cords. Type 7466 and Type 7468 female base are of bakelite with brass nickel ings. Rated 10 amps at 250 volts or 15 amps at 125 volts.

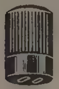
	Mfr's Type	Fig.	Description	EACH
2	7428	A	Male Cap	.46
3	7427	B	Female Connector	.86
4	7466	C	Male Base	1.02
7	7468	D	Female Base	1.03

3-WIRE POLARIZED TYPES

but for 3-conductor cables. Insulation is black bakelite. cept cords from .281 to .421" O.D. Polarization prevents nection. Rated 10 amps at 250 v., or 15 amps at 115 v.

8	7485	A	Male Cap	1.11
9	7484	B	Female Connector	1.60
0	7486	C	Male Base	1.42
1	7487	D	Female Base	1.73

ARROW H&H MIDGET CONNECTORS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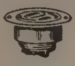
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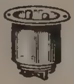
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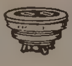
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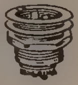
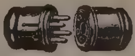

K

prong cord connectors and receptacles. Especially suited for s where space is at a premium. Types illustrated in Figures E ve housings of durable molded bakelite. Others have rust- etal housings and insulation of bakelite. All units are rated at at 250 volts. A 1" diameter hole is required for all receptacles. acing is 13⁄32". Receptacle terminals are exposed. All units take overs. Types 80326 and 80328 are furnished with plate for pes 80327 and 80329 are furnished with plate and lock ring. vt , 3 oz.

Mfr's Type	Fig.	Description	EACH
80324	E	Male cable connector	.78
80325	F	Female cable connector	.78
80326	G	Female flush receptacle	.80
80328	H	Male flush receptacle	.95
80327	J	Female flush receptacle	1.22
80329	K	Male flush receptacle	1.27

HENOL CABLE CONNECTORS

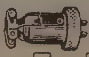


male and female cable connectors. Take o 7⁄16" O.D. Series 78-PF are female con- ries 86-PM are male. "S" in type num- es small pins. Size 13⁄16x13⁄32". Av. wt. 3 oz.

Mfr's Type	Contacts	EACH	Stock No.	Mfr's Type	Contacts	EACH
78-PF4	4	.32	40 U 505	86-PM5	5	.37
78-PF5	5	.33	40 U 506	86-PM6	6	.38
78-PF6	6	.35	40 U 507	86-PM7S	7S	.39
78-PF7S	7S	.35	40 U 508	86-PM8	8	.39
78-PF8	8	.34	40 U 512	86-PM9	9	.40
78-PF9	9	.37	40 U 513	86-PM11	11	.42
78-PF11	11	.39	42 U 655	86-PM12	12	.44
86-PM4	4	.36	42 U 656	86-PM20	20	.62

Cable Clamp. Type 79-CC4. For use with above connec- es strain on soldered connections. Shpg. wt., 5 oz.
....2 For .20

CH-JONES SERIES 202 PLUGS AND SOCKETS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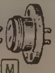
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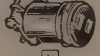
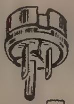

N

plated brass plugs and pe P-202-CCT is polar- ed nut. Type S-202-B holes, No. 30 drill on All units have ¾"-27 ype P-202-CCT and -THR have cable clamp. Av. shpg. wt., 3 oz.

Type	Fig.	Description	EACH
P-202-CCT	L	Plug, 2 contact	.81
S-202-B	M	Socket, base mounting	.96
S-202-CCT-THR	N	Socket, extension	1.09

AMPHENOL PLUGS AND SOCKETS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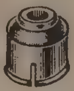
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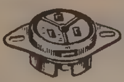
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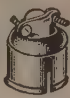
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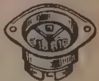
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SERIES 61 AND 160 STANDARD AND GROUNDING-TYPE AC PLUGS AND SOCKETS

Series 61 comprises standard two-pole AC plugs and sockets. Series 160 consists of heavy-duty grounding types that are especially recommended for grounding appliances and power tools. Rated 15 amps at 120 volts, AC-DC, and 10 amps at 220 volts. Plugs and sockets are black phenolic, and U.L. Listed, except Types 160-10 and 160-11 which must be grounded after mounting. Av. shpg. wt., 3 oz.

P **Retainer Ring Mounting Types.** For mounting in 111⁄64" keyed hole in chassis up to ⅛" thick. 61-M is standard type; 61-F is universal type. *Includes prong and third terminal for ground wire. All units listed are 2-pole types.

Stock No.	Type	Descrip.	EACH	Stock No.	Type	Descrip.	EACH
40 U 675	61-M	Male	.29	42 U 522	*160-10	Female	.60
40 U 677	61-F	Female	.27	42 U 523	*160-11	Male	1.10

S **Mounting Plate Types.** All require 19⁄32" mtg. holes and have 5⁄32" slotted holes on 1½" to 1⅞" centers except Type 61-MIP-61F which requires 13⁄16" mtg. hole and has 5⁄32" holes on 1½" centers. Types 61-M1 and 61-F1 have removable mtg. plates. *With terminal for ground wire. All 2-pole.

Stock No.	Type	Descrip.	EACH	Stock No.	Type	Descrip.	EACH
40 U 680	61-M1	Male	.33	42 U 525	*160-3	Male	1.12
40 U 682	61-F1	Female	.32	40 U 085	61-MIP-61F	Female	.28
42 U 524	*160-2	Female	.72				

Type 61-61 Recessed Shell Only. (Not illus.) Converts Type 61, 86 and 160 connectors to recessed types. Fits 17⁄16" hole; two 5⁄32" screw holes on 1¾" centers. Lowers connector 13⁄16". Wt., 2 oz.
40 U 086.......................................Each .11

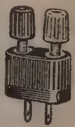
W **Recessed Mounting Types.** For below-surface mounting. Mount in 17⁄16" hole; have two 5⁄32" screw holes on 1¾" ctrs. All are 2-pole types. *With grounding lug.

Stock No.	Type	Descrip.	EA.	Stock No.	Type	Descrip.	EA.
40 U 685	61-M10	Male	.44	42 U 526	*160-4	Female	.82
40 U 687	61-F10	Female	.44	42 U 527	*160-5	Male	1.22

Drawn Steel Plug Caps. For use with plugs, sockets and connectors indicated. Type 3-13 (Fig. R), has rubber grommet for up to 7⁄16" cable. Type 3-24 (Fig. T), has adjustable clamp for cables up to ⅜" diameter. Have black japan finish. Shpg. wt., 2 oz.

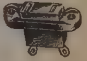
Stock No.	Type	Fig.	Use with Plugs and Sockets Types	EACH
42 U 537	3-13	R	61, 86-CP, and S(Series 78).	.13
42 U 538	3-24	T	61, 86-CP, and S(Series 78).	.19

SUPERIOR AC 5-WAY BINDING POST

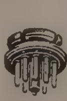


Type DAP15BWC Dual-Adapter Binding Post. Facilitates line voltage connections from AC output receptacles to binding posts. Has integral parallel-blade plug. Rated at 15 amps, 125 volts. Brass parts are gold-plated. Accepts spade lugs, banana plugs, clip leads, up to No. 12 wire through .098" dia. holes, or wire wrapped around shafts. Has black body with 1 white and 1 black thumbnut. Shpg. wt., 3 oz.
41 U 041.......................................Each 1.50

CINCH JONES PLUGS AND SOCKETS



Type 2R2 Chassis-Mounting AC Socket. Molded, black bakelite AC socket excellent for radio, TV chassis, phono, and similar applications. Rated at 15 amps at 110 volts or 10 amps at 250 volts. Accepts any 2-prong standard electric plug. Solder-lug terminals. Mounts in 25⁄64x 25⁄32" hole. Has 9⁄64" diameter mounting holes on 1⅛" centers. Size 1½x½". U. L. Listed. Shpg. wt. 2 oz.
40 U 830.......................................19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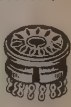

11RB

Type 8PB 8-Contact Plug. For making up to 8 connections between chassis. Molded from high-dielectric black bakelite. Nickel-plated pins have tapered ends for easy insertion. Fits any standard octal socket. Use with 16F shield, below. Shpg. wt. 2 oz.
40 U 846.......................................19

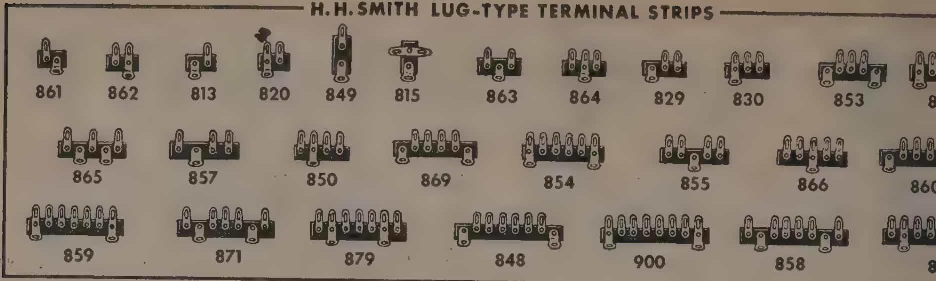
Type 11PB 11-Contact Plug. Same as above, but with 11 contacts. Fits 11RB socket, below. Use with 16F snap-on shield below. Shpg. wt., 2 oz.
40 U 847.......................................27

Type 16F Steel Snap-On Shield. (Not illus.) Cadmium-plated steel plug cap. Snaps on 8PB and 11PB sockets, above. Has screwdriver slot at bottom to facilitate removal. Rubber grommet with 25⁄64" diameter hole protects cable. Shpg. wt., 2 oz.
40 U 848.......................................27

Type 11RB 11-Contact Socket. Use with 11PB socket, above. Molded black bakelite. Mounts on 1⁄16" thick chassis using retaining ring. Use with 16F shield (above) on extension cables. Wt., 2 oz.
40 U 849.......................................31

Plugs, Sockets, Barrier Strips, Terminal Strip

H.H.SMITH LUG-TYPE TERMINAL STRIPS



Dark brown bakelite strips, 1/16″ thick x ⅜″ wide. Solder-coated steel lugs have ⅜″ centers. 9/16″ dia. mtg. holes. 2 oz. **6 per pkg.**

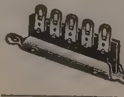
Stock No.	Type	PER PKG.	Stock No.	Type	PER PKG.	Stock No.	Type	PER PKG.	Stock No.	Type	P
39 U 060	861	.14	39 U 077	864	.16	39 U 085	850	.23	39 U 092	871	
39 U 057	862	.14	39 U 078	829	.17	39 U 086	869	.30	39 U 093	879	
39 U 058	813	.14	39 U 079	830	.19	39 U 087	854	.30	39 U 095	848	
39 U 059	820	.14	39 U 080	853	.28	39 U 088	855	.20	39 U 096	900	
39 U 074	849	.16	39 U 081	847	.25	39 U 089	866	.22	39 U 097	858	
39 U 075	815	.23	39 U 082	865	.25	39 U 090	860	.28	39 U 098	870	
39 U 076	863	.16	39 U 084	857	.23	39 U 091	859	.30	....	....	...

H. H. SMITH SCREW-TYPE TERMINAL STRIPS

Screw-type terminal strips for chassis and breadboarding applications. Have solder; coated brass terminal lugs on 7/16″ centers. .136″ dia. mounting holes. 1/16″ thick bakelite strips; except* 3/32″. Av. wt., 2 oz.

Stock No.	Type	Term.	2 FOR	Stock No.	Type	Term.	Pkg. of 2
39 U 550	914	1	.09	39 U 555	876	6	.37
39 U 551	872	2	.15	39 U 556	877	7	.47
39 U 552	873	3	.21	39 U 557	928	8	.53
39 U 553	874	4	.27	39 U 558	929	9	.59
39 U 554	875	5	.31	39 U 559	930*	10	.65

H. H. SMITH SERIES 3000 TERMIN

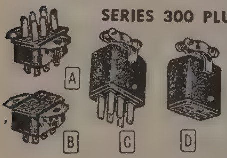


Selection of compact terminal strip
brass, tin-plated, and spaced on 5/
Molded bakelite insulation. Mounti
are made of cadmium-plated steel.
holes at each end of bracket. Av. shpg

Stock No.	Mfr's Type	Term	Mtg. Ctrs.	Pkg. of 2	Stock No.	Mfr's Type	Term	M C
39 U 560	3002	2	1″	.13	39 U 564	3006	6	
39 U 561	3003	3	1 5/6″	.15	39 U 565	3008	8	
39 U 562	3004	4	1⅜″	.17	39 U 566	3010	10	
39 U 563	3005	5	1 15/16″	.19	39 U 567	3012	12	

CINCH-JONES PLUGS, SOCKETS, TERMINAL STRIPS, TERMINALS

SERIES 300 PLUGS AND SOCKETS



Compact units rated 730 volts rms at 10 amps. Metal caps; bakelite body. Phosphor-bronze socket contacts engage both sides of plug contacts. Units are polarized; plugs with 24 or more contacts have positioning pin. Plug contacts are 5/32″ wide by 3/64″ thick. *Round shell; others rectangular. Av. shpg. wt., 3 oz.

TYPE AB FOR CHASSIS MOUNTING

	A PLUGS			B SOCKETS		
Contacts	**Stock No.**	**Type**	**EACH**	**Stock No.**	**Type**	**EACH**
2*	40 U 870	P-302-AB*	.25	40 U 880	S-302-AB*	.27
3	40 U 871	P-303-AB	.31	40 U 881	S-303-AB	.32
4	40 U 872	P-304-AB	.34	40 U 882	S-304-AB	.36
6	40 U 873	P-306-AB	.42	40 U 883	S-306-AB	.45
8	40 U 874	P-308-AB	.50	40 U 884	S-308-AB	.56
10	40 U 875	P-310-AB	.56	40 U 885	S-310-AB	.67
12	40 U 876	P-312-AB	.62	40 U 886	S-312-AB	.77
15	40 U 816	P-315-AB	.83	40 U 864	S-315-AB	.96
18	40 U 817	P-318-AB	1.03	40 U 865	S-318-AB	1.16
21	40 U 818	P-321-AB	1.29	40 U 866	S-321-AB	1.43

TYPE CCT WITH CABLE CLAMP

	C PLUGS			D SOCKETS		
Contacts	**Stock No.**	**Type**	**EACH**	**Stock No.**	**Type**	**EACH**
2*	40 U 802	P-302-CCT*	.57	40 U 852	S-302-CCT*	.58
3	40 U 803	P-303-CCT	.61	40 U 853	S-303-CCT	.62
4	40 U 804	P-304-CCT	.66	40 U 854	S-304-CCT	.67
6	40 U 806	P-306-CCT	.73	40 U 856	S-306-CCT	.77
8	40 U 808	P-308-CCT	.81	40 U 858	S-308-CCT	.90
10	40 U 810	P-310-CCT	.91	40 U 860	S-310-CCT	1.00
12	40 U 812	P-312-CCT	.99	40 U 862	S-312-CCT	1.16
15	40 U 805	P-315-CCT	1.29	40 U 850	S-315-CCT	1.43
18	40 U 807	P-318-CCT	1.56	40 U 851	S-318-CCT	1.70
21	40 U 809	P-321-CCT	1.84	40 U 855	S-321-CCT	1.97
24	40 U 811	P-324-CCT	2.17	40 U 857	S-324-CCT	2.33
27	40 U 813	P-327-CCT	2.46	40 U 859	S-327-CCT	2.59
30	40 U 814	P 330-CCT	2.87	40 U 861	S-330-CCT	3.00
33	40 U 815	P-333-CCT	3.07	40 U 863	S-333-CCT	3.21

TYPE CCT-L PLUGS WITH CABLE CLAMPS AND LATCHES

All type CCT-L plugs listed in table below have rectangular shells except *2-contact type which is supplied with round shell. Av. shpg. wt. 3 oz.

Contacts	Stock No.	Type	EACH	Contacts	Stock No.	Type	EACH
2	41 U 513	P-302*	.73	6	41 U 516	P-306	.90
3	41 U 514	P-303	.77	8	41 U 517	P-308	.96
4	41 U 515	P-304	.83	......	....	......	......

SERIES 140 BARRIER TERMINAL STRIPS

Make a long leakage path and prevent direct sh
by frayed wires at the terminals. Base is molde
with mounting holes at ends. Eyelets and binde
nickel-plated brass; terminals of hot tin-fi
When used with fanning strips, insure positi
and firm connections. No. 140 terminal strips
3/16″ binder head screws, ¼″ metal-to-metal sp
141 types have 6-32x¼″ binder head screws, ⅜
metal spacing. No. 142 types have 8-32x5/16″ bi
screws, 9/16″ metal-to-metal spacing. Av. wt., 5

Series 140. Metal-to-metal spacing over bakelite ¼″. Base
x3/32″ high. ⅜″ centers.

Stock No.	Type	Term.	EACH	Stock No.	Type	Ter
41 U 800	2-140	2	.18	41 U 804	8-140	8
41 U 801	3-140	3	.25	41 U 582	9-140	9
41 U 803	4-140	4	.32	41 U 805	10-140	10
41 U 807	5-140	5	.38	41 U 583	11-140	11
41 U 802	6-140	6	.44	41 U 806	12-140	12
41 U 581	7-140	7	.51	....	....	....

Series 141. Metal-to-metal spacing over bakelite ⅜″. Base 1
½″ high. 7/16″ centers.

Stock No.	Type	Term.	EACH	Stock No.	Type	Ter
41 U 835	2-141	2	.23	41 U 838	6-141	6
41 U 836	3-141	3	.32	41 U 839	8-141	8
41 U 837	4-141	4	.41	41 U 840	10-141	10
41 U 842	5-141	5	.49	41 U 841	12-141	12

Series 142. Metal-to-metal spacing over bakelite 9/16″. Base 1
⅝″ high. 9/16″ centers.

Stock No.	Type	Term.	EACH	Stock No.	Type	Ter
41 U 670	2-142	2	.27	41 U 674	6-142	6
41 U 671	3-142	3	.38	41 U 676	8-142	8
41 U 672	4-142	4	.49	41 U 678	10-142	10
41 U 673	5-142	5	.59	41 U 680	12-142	12

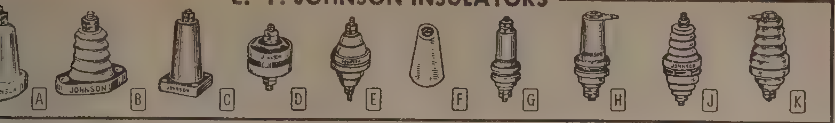
ADAPTER SOLDER TERMINALS

Adapt barrier-type strips (listed above) for to
underside solder connections. Type ¾W permits
soldering to barrier terminals; Type Y is for
solder connections. Constructed of sturdy brass; w
ble hot-tin finish. Fasten securely under bin
screws. Av. shpg. wt., 3 oz.

TYPE ¾ W				TYPE Y		
Stock No.	**Mfr's Type**	**For Series**	**EACH**	**Stock No.**	**Mfr's Type**	**For Serie**
41 U 234	¾W-140	140	.02	41 U 246	Y-140	140
41 U 235	¾W-141	141	.03	41 U 247	Y-141	141
41 U 236	¾W-142	142	.04	41 U 248	Y-142	142

nsulators, Coil Forms, Mounting Strips, Terminals

E. F. JOHNSON INSULATORS



A Wide
Selection
of Quality
Insulators
for Every
Need

Off Insulators. High-glaze porcelain (except *steatite). Long path, low capacity and freedom from moisture absorption. Nickel-brass hardware includes screw, flat washer, two nuts. Type 135-bed; others have drawn bases. †Similar to Figure B, but square d 4 mounting holes. Av. shpg. wt., 1 lb.

k	Mfr's Type	Fig.	Body Ht.	Min. Dia.	Max. Dia.	Mtg. Ctrs.	Hard-ware	EACH
235	135-20*	A	1⁹⁄₁₆"	¾"	1¾"	1⁵⁄₁₆"	10-32	.33
237	135-22*	A	1"	¹⁵⁄₃₂"	1⁵⁄₃₂"	1³⁄₁₆"	8-32	.22
239	135-24*	A	⅝"	⅜"	1"	1¹⁄₁₆"	6-32	.18
240	135-60	†	4½"	1³⁄₁₆"	2½"	1⅞"	¼-20	1.20
241	135-62	†	2¾"	⅞"	1⅞"	1⅜"	¼-20	.66
242	135-65	B	1⅜"	⅝"	1⅞"	1½"	10-32	.35
248	135 66	C	2¾"	¹⁵⁄₁₆"	1¾"	1⅜"	¼-20	.87
251	135-67	C	4½"	1¹⁄₁₆"	2¼"	1¾"	¼ 20	1.25

anel Type. Porcelain except †steatite. *108-740 jack. 12 oz.

k	Mfr's Type	Fig.	Body Ht.	Min. Dia.	Max. Dia.	Panel Hole	Hard-ware	EACH
00	135-40†	G	1¾"	1⁹⁄₃₂"	¹⁵⁄₁₆"	⁷⁄₁₆"	10-32	.45
02	135-42†	G	1¼"	½"	¾"	1³⁄₃₂"	10-32	.44
03	135-42-2	H	1¼"	½"	¾"	1³⁄₃₂"	*	.52
05	135-44†	G	¹⁵⁄₁₆"	⅜"	⅝"	⁵⁄₁₆"	6-32	.33
06	135-45	J	2¹⁄₁₆"	⅝"	1¼"	½"	10-32	.61
0	135-46	G	3¾"	¹⁵⁄₁₆"	1⅝"	1¹⁄₁₆"	¼-20	1.60
1	135-47	G	6"	1¹⁄₁₆"	2⅛"	³¹⁄₃₂"	¼-20	2.75
5	135-48	J	2⅞"	¾"	1⅝"	1¹⁄₁₆"	10-32	1.00
6	135-48-2	K	2⅞"	¾"	1⅝"	1¹⁄₁₆"	*	1.12

Lead in Bushings. Ideal high-voltage terminals. All are constructed of steatite for excellent RF insulating characteristics. Supplied complete with nickeled brass rod and nuts. Av. shpg. wt., 8 oz.

Stock No.	Mfr's Type	Fig.	Body Ht.	Min. Dia.	Max. Dia.	Panel Hole	EACH
46 U 217	135-50	E	1"	⅜"	¾"	¹⁵⁄₃₂"	.40
46 U 219	135-51	E	1⅝"	⅝"	1¼"	²⁷⁄₃₂"	.59
46 U 220	135-52	E	2¼"	⅞"	1¾"	1⁹⁄₃₂"	.89
46 U 223	135-55	D	½"	½"	¾"	¹⁵⁄₃₂"	.33

F **Ultra-Steatite Cone Insulators.** Non-ribbed. With nickel plated, brass hardware. Av. shpg. wt. 5 oz.

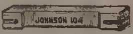
Stock No.	Mfr's Type	Body Ht.	Min. Dia.	Max. Dia.	EACH
46 U 224	135-500	⅝"	⁷⁄₁₆"	⅝"	.23
46 U 231	135-501	1"	½"	¾"	.34
46 U 232	135-502	1½"	½"	1"	.54
46 U 233	135-503	2"	⅝	1⅛	.80
46 U 234	135-504	3	¾"	1½"	1.38

ANTENNA-FEEDER SPREADERS

(Not illus.) For constructing high efficiency, open-wire antenna feeders and transmission lines. Silicone impregnated, moisture-proof porcelain. ⅜x½". Av. shpg. wt., 3 oz.

Stock No.	Type	Length	EACH
46 U 257	136-122	2"	.19
46 U 258	136-124	4"	.30
46 U 259	136-126	6"	.49

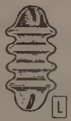
NSON ANTENNA INSULATORS

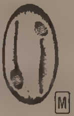


type insulators. porcelain-glazed ent moisture ab-, and prevent RF leakage. Superior units with heavily glazed surfaces and nickel-plated brass hardware suitable osed applications. Type 136-107 in-s wet process 1"-diameter round design 0 lbs. breaking strength. Type 136-104 rocess, ⅝" square with 400 lbs. break-ngth.

	Mfr's Type	Size	Shpg. Wt.	EACH
54	136-104	4"x⅝" sq.	4 oz.	.30
55	136-107	7"x1" dia.	10 oz.	1.38

ANTENNA INSULATORS





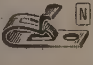
051. Glazed elain insula-icient ribbed ction provides kage path. g. Shpg. Wt., **er pkg.**

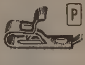
KG. 33

e porcelain strain insulator, 1½x⅞" Breaks up guy lines into non-resonant 2 oz. **4 per pkg.**

2. Per Pkg. 40

AHNESTOCK SPRING CLIP

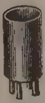




e reliable Easy to and discon-Made of except Av. shpg. z. per pkg.

	Mfr's Type	Fig.	LxW	Max. Wire	Mtg. Hole	PKG. of 10
00	2	N	1x⅜"	10	8	.19
02	3	N	1¹⁄₁₆x⅜"	10	8	.27
05	10	N	¾x⁵⁄₁₆"	14	6	.14
03	5	P	1¹⁄₁₆x⅜"	10	8	.32
07	15*	P	½x⁷⁄₃₂"	16	4	.14

MILLEN MOLDED COIL FORMS



Type 45004. Molded-mica, phenolic base type coil forms. Four-prong type. For shortwave receivers and low-power transmitters. Size: 1" diameter; 1¹³⁄₃₂" winding length; 2³⁄₁₆" overall. Shpg. wt., 2 oz.

43 U 217 51

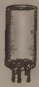
Type 45005. Same as 45004, but has 5 prongs. Shpg. wt., 2 oz.

43 U 218 51

Type 45000. Same as Type 45005 above, but without prongs. Designed for screw mounting. Shpg. wt., 2 oz.

43 U 219 49

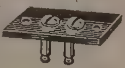
POLYSTYRENE COIL FORMS



A selection of coil forms for winding RF coils of all types. Low-loss polystyrene construction. 4, 5, and 6-prong standard forms fit standard tube sockets; 5-prong miniature type fits Amphenol Type 78-S5S miniature socket (listed under "Retainer Ring Sockets" in this catalog). Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	Description	Size	EA.
46 U 693	24-5H	5-Prong Min.	1⁹⁄₁₆x1¾"	.28
46 U 695	24-4P	4-Prong Std.	2¼x1¼"	.37
46 U 696	24-5P	5-Prong Std.	2¼x1¼"	.27
46 U 697	24-6P	6-Prong Std.	2¼x1¼"	.40

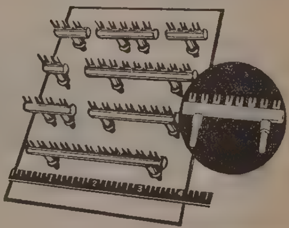
H. H. SMITH HEAVY-DUTY STRIPS



Made of ³⁄₃₂" thick black bakelite, ⅞" wide. Have 8-32x⁵⁄₁₆" nickel-plated screw terminals and cadmium-plated brass solder lugs. Drilled for 2-hole mtg. Av. wt., 4 oz.

Stock No.	Terminals	EACH
41 U 875	2	.24
41 U 880	3	.32
41 U 885	4	.38
41 U 895	6	.51
41 U 898	8	.65

ELECTRO-GLASS
MOUNTING STRIPS

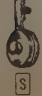


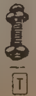
- Constructed of Lightweight, Non-Breakable Polypropylene
- Have Pretinned Terminal Points

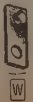
The Crest Companies (EGL) polypropylene strips increase production efficiency and contribute to compact circuitry. Dielectric constants are 400% better than phenolic, 200% better than ceramic. Loss factors are 200 times better than phenolic, 30 times better than ceramic, even as frequencies increase. Easily fasten to chassis by means of speed nut, lock washer or 6-32 nut. Improved serviceability of electronic instruments using EGL mounting strips is made possible since all test points are accessible and components can be easily replaced. The strips are lightweight and non-breakable. Lengths from 1⁹⁄₃₂" to 3¹⁵⁄₆₄". Av. wt., 5 oz. **Last digit in Type Number indicates number of terminals. 5 per pkg.**

Stock No.	Mfr's Type	Lgth.	PER PKG.
43 U 106	MS-1 PP 2	1⁹⁄₃₂"	.52
43 U 107	MS-1-PP-3	⁵⁷⁄₆₄"	.52
43 U 108	MS-1-PP-4	1³⁄₁₆"	.67
43 U 109	MS-1-PP 5	1¹⁵⁄₃₂"	.67
43 U 110	MS-1 PP-7	2¹⁄₁₆"	.67
43 U 111	MS-1-PP-9	2¹¹⁄₃₂"	.82
43 U 112	MS-1 PP 11	3¹⁵⁄₆₄"	.82

TERMINAL LUGS, SNAPS AND STUDS







R **Terminal Lugs.** Screw-mount to chassis. 2 solder lugs. 4 oz. **10 per pkg.**

41 U 767 . . . . Per Pkg. .51

S **Nu-Way Snaps.** For temporary or permanent connections. ⁷⁄₁₆"x⅞" dia. 12 oz. **100 per pkg.**

44 U 450 . . . . Per Pkg. 7.90

T **Nu-Way Studs.** For panel or chassis mtg. Fit snaps. 6-32x½". 12 oz. **100 per pkg.**

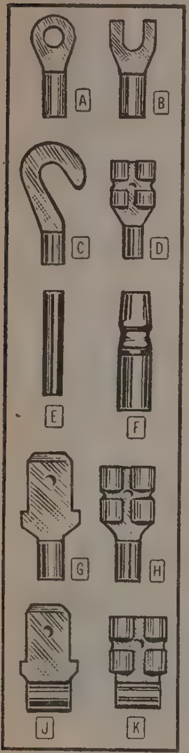
44 U 452 . . . . Per Pkg. 5.00

W **Nu-Way Flush-Mount Lugs.** Fit snaps. Have 6-32 mtg. hole. 12 oz. **100 per pkg.**

44 U 451 . . . . Per Pkg. 5.00

Vaco Solderless Terminals, Crimping Tools

Vaco Single-Grip Solderless Terminals. Form perfect electrical connections. Ideal for general-purpose work or radio, TV and appliance servicing. Of chrome-plated copper alloy. Series 10000 are one-piece non-insulated types. Series 50000 are insulated; heavy plastic sleeve provides insulation from tongue to wire covering connector; †snap terminal; §female tab socket; ††¼″ m ‡¼″ angle male tab; #angle female tab socket. Use crimp below. Wts., pkg. of 100, 8 oz.; economy pack, 3 oz.



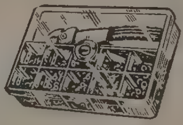
STANDARD PACKAGES OF 100

ALL NON-INSULATED TERMINALS

Wire Size	Stud Size	Lth.	Fig.	Stock No.	Mfr's Type	PER PKG. of 100
22-18	4	19/32″	A	44 U 200	11204	2.22
22-16	4-6	17/32″	A	42 U 800	11205	
22-16	4-6	¾″	A	42 U 801	11206	
22-18	8	43/64″	A	44 U 201	11208	
22-16	8-10	¾″	A	42 U 802	11210	
16-14	4-6	17/32″	A	42 U 803	11305	2.22
16-14	4-6	23/32″	A	42 U 804	11306	
16-14	8	23/32″	A	44 U 204	11308	
16-14	8-10	23/32″	A	42 U 805	11310	
12-10	8-10	¾″	A	42 U 807	11410	2.77
12-10	12-¼	29/32″	A	42 U 808	11414	3.68
22-18	4	17/32″	B	44 U 205	13204	1.98
22-16	4-6	17/32″	B	42 U 812	13206	1.98
22-18	8	41/64″	B	44 U 206	13208	2.22
22-18	10	11/16″	B	44 U 207	13210	2.22
16-14	4-6	49/64″	B	42 U 810	13306	2.22
16-14	8	21/32″	B	44 U 208	13308	2.22
16-14	8-10	49/64″	B	42 U 811	13310	2.22
22-16	4-6	9/16″	B	42 U 809	14206	1.98
22-16	4-8	⅝″	C	42 U 819	15208	1.98
22-16	......	9/16″	E*	42 U 816	17202	1.72
16-14	......	9/16″	E*	42 U 817	17302	1.72
12-10	......	11/16″	E*	42 U 818	17402	2.22
16-14	......	⅝″	F†	42 U 813	19301	1.72
22-18	......	17/32″	D§	44 U 213	18204	2.22
18-14	......	23/32″	G††	42 U 820	18301	
18-14	......	23/32″	H§	42 U 821	18302	
18-14	......	9/16″	J‡	42 U 822	18303	
18-14	......	15/32″	K#	42 U 823	18304	

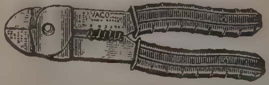
$1.00 ECONOMY PACKAGES

NON-INSULATED				INSULATED		
Stock No.	Type	Pkg. Qty.	PER PKG.	Stock No.	Type	Pkg Qty
......	......	......	1.00	......	......	......
44 U 476	11205	41		44 U 269	51205	20
44 U 481	11206	41		44 U 270	51206	20
......	......	......		......	......	......
44 U 482	11210	41		44 U 272	51210	20
44 U 477	11305	41	1.00	44 U 274	51305	20
44 U 485	11306	41		44 U 275	51306	20
......	......	......		......	......	......
44 U 486	11310	41		44 U 277	51310	20
44 U 489	11410	32	1.00	......	......	......
44 U 490	11414	24		......	......	......
......	......	......		......	......	......
44 U 265	13206	45		44 U 279	53206	20
44 U 266	13208	41		44 U 280	53208	20
......	......	......	1.00	......	......	......
44 U 492	13306	41		44 U 282	53306	20
......	......	......		......	......	......
44 U 493	13310	41		44 U 304	53310	20
44 U 498	14206	45		44 U 305	54206	20
44 U 499	15208	45	1.00	44 U 306	55208	20
44 U 287	17202	52		44 U 310	57202	20
44 U 288	17302	52		44 U 311	57302	20
44 U 289	17402	41		44 U 312	57402	17
44 U 290	19301	52		......	......	......
44 U 294	18204	41	1.00	......	......	......
44 U 295	18301	41		44 U 313	58301	20
44 U 297	18302	41		44 U 314	58302	17
44 U 301	18303	41		......	......	......
44 U 302	18304	41		......	......	......



SERVICE KIT

Model 2195. Handy kit contains approximately 250 terminals (a $5.00 value) plus type 1900 crimper-cutter tool (see right). Tool cuts and strips wire, then crimps terminal on stripped portion of wire. Kit includes assortment of these single-grip terminals: 11205, 11206, 11210, 11305, 11306, 11310, 14206, 13306, 13310, 15208. In clear plastic 8¾x6x1¾″ box with individual compartments. Wt., 2 lbs.
44 U 427..8.95

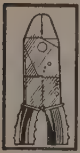


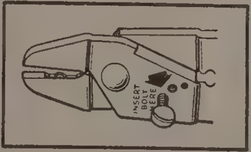
CRIM TO

Mode
Desig
crimpi
sulated solderless terminals, above. Strips in
from No. 22 to No. 10 wire. Tool has two dies,
plated steel jaws, insulated red plastic
Shpg. wt., 1 lb.
44 U 228..

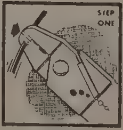
Model 1900. As above, but for crimping non-
ed terminals. With 3 crimping dies. Wt., 1 lb.
44 U 233..

VACO CRIMPING TOOL

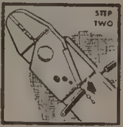

1963 Tool



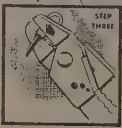
Advanced Bolt Slicing Feature



Cut Wire



Strip Insulation



Crimp Terminal

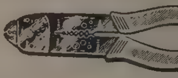
It's As Easy
As 1, 2, 3!

- Cuts
- Strips
- Crimps

Model 1963. Modern device gives you virtually everything you need for fast, dependable electrical connections without need for soldering! Handy all-purpose tool has crimping dies for both insulated and non-insulated terminals, also cuts and strips wire—has hundreds of uses around the home, office, garage or shop. Wire cutter at tip for close work. Wire stripping notches are provided for No. 10, 12, 14, 16, 18, 20-22 wire.

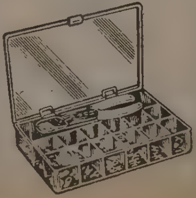
Also shears six sizes of bolts: 10-32, 6-32, 5-40, 10-24, 8-32 and 4-40. Just screw bolt in threaded hole and squeeze—slices clean, no burrs to file. New improved-action bolt slicing principle requires less hand pressure to do the job. Steel tool has plastic handles. Shpg. wt., 2 lbs.
44 U 237..................................4.85

A-MP CRIMPING TOOLS



L Type 47100-1 "Super Champ" Crimping Tool. Crimps in
solderless terminals, shears machine screws, measures stu
cuts and strips wire. Shears bolts in 10-24, 10-32, 8-32, 6-
4-40 sizes. Has B&S wire gauge. Constructed of tool steel,
sulated plastic handles. Lgth., 7⅜″. Shpg. wt., 1 lb.
45 U 321..

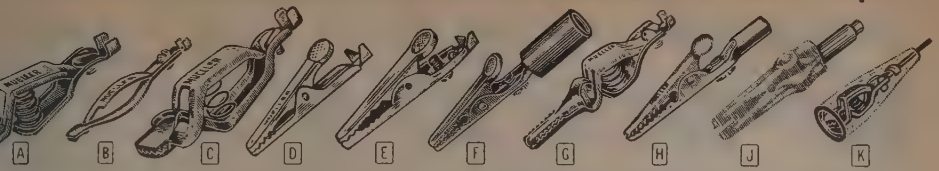
M Type 49835-1. For crimping non-insulated terminals. Ot
has same versatile features as above—shears machine
measures stud sizes, cuts and strips wire. Wt., 1 lb.
44 U 453..



A-MP TERMINAL KIT

Type 29033. Assortment of most
insulated solderless terminals for
wiring applications, plus the hea
type 47100-1 Super-Champ crimp
(above). Terminals and tool are in
transparent box with compartment
for radio-TV and electrical servic
eliminates soldering. For all wi
from No. 10 to 22, and most-ofte
stud sizes. Storage case, 9¾x
Shpg. wt., 2 lbs.
45 U 322..

Assorted Test Clips, Clip Insulators, Tube Caps



MUELLER CLIPS AND FLEXIBLE INSULATORS

MESH-TEETH TEST CLIPS

general purpose use. Type 45C, solid er; 45, cadmium plated steel. 3 oz.

lo.	Type	Amps	Size	EA.
0	45	5	1½″	.08
5	45C	10	1½″	.14

AD-PLATED BATTERY CLIPS

moderately heavy current work, in- ng battery charging, electroplating, welding. Av shpg. wt., 4 oz.

o.	Type	Amps	Marking	Size	EA.
1	24A	25	Plus sign	2⅞″	.24
2	24A	25	Unmarked	2⅞″	.24
3	21A	50	Plus sign	4″	.42
4	21A	50	Unmarked	4″	.42
7	11A	100	Unmarked	6″	1.06

SOLID-COPPER CLIPS

y-duty, high-conductivity clips. Shpg. 25C, 2 oz.; 21C, 3 oz.; 11C, 8 oz.

o.	Type	Amps	Marking	Size	EA.
3	25C	75	Unmarked	3″	.43
1	21C	100	Plus sign	4½″	.97
2	21C	100	Unmarked	4½″	.97
3	11C	200	Plus sign	6″	1.81
4	11C	200	Unmarked	6″	1.81

ONFERROUS RF TEST CLIP

88. Phosphor bronze clip, brass . Ideal for coils. 1 11/16″. Shpg. wt., per b.

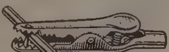
5 .23

-SIDED MESH-TEETH CLIPS

mium-plated steel; *solid copper; bronze. †Insulation-piercing needle. en ⅝″. Shpg. wt., per 100, 3¼ lbs.

No.	Type	Amps	Size	EA.
10	§48B	10	2″	.12
78	*48C	10	2″	.17
87	‡†50C	10	2¼″	.28
15	§27	20	2 7/16″	.14
88	‡51C	20	2¼″	.19
74	25	40	3″	.21
97	*27C	40	2 7/16″	.23

LLIGATOR CLIP



-NS

any application where it is desirable the insulation of a wire to make a on. Slim jaws open 5/16″, have beryllium needle. Wire centering notches hold r securely. Screw type. Shpg. wt., 1 lb.

9 .18

"MINI-GATOR" CLIPS

D 3/16″ jaw opening, 11/64″ O D. tip, including insulators. Type 30, cadmium-plated steel; 30C, solid copper. Per 100, 4 oz.

Stock No.	Type	Amps	Size	EA.
45 U 142	30	5	1 1/16″	.06
45 U 143	30C	10	1 1/16″	.07

"MICRO-GATOR" CLIPS

Similar to "Mini-gators" but with tiny tip for small terminals, etc. Ideal heat sinks. §Cadmium-plated steel; *solid copper. 1 oz.

45 U 176	§34	....	1 3/32″	.06
45 U 177	*34C	....	1 3/32″	.07

70 SERIES ALLIGATOR CLIPS

E §Cadmium-plated steel; *solid copper; †solder connection; ‡screw connected. Wt., per 100, 1 lb.

45 U 170	§†70	5	1 11/16″	.07
45 U 171	§‡70S	5	1 11/16″	.08
45 U 172	*‡70CS	10	1 11/16″	.11

INSULATED BARREL ALLIGATOR CLIPS

F Cadmium-plated steel, except *solid copper. Jaws open 5/16″. Per 100, 1½ lbs.

Stock No.	Type	Size	Handle	EACH
45 U 070	60HS	2 1/32″	Red	.11
45 U 075	60HS	2 1/32″	Black	.11
45 U 090	*60CHS	2 1/32″	Red	.15
45 U 095	*60CHS	2 1/32″	Black	.15

85 SERIES CROCODILE CLIPS

G ‡Phone tip on one jaw. Screw connections. Wt., per 100, 1¾ lbs.

Stock No.	Type	Size	Material	EA.
45 U 060	85	2⅛″	Cad.-plated steel	.09
45 U 062	85C	2⅛″	Solid copper	.18
45 U 098	‡85T	2⅝″	Cad.-plated steel	.23

60 SERIES ALLIGATOR CLIPS

H †Solder type; "S"—screw type. Slim jaws; open 5/16″. Wt., per 100, 1 lb.

45 U 200	†60	2″	Cad.-plated steel	.07
45 U 065	60S	2″	Cad.-plated steel	.08
45 U 080	60CS	2″	Solid copper	.12

INSULATED ALLIGATOR CLIPS

J No. 63 clip, cadmium-plated steel; No. 63C clip, solid-copper type for low resistance. Completely insulated with 2-piece vinyl insulator, available in either red or black. Slotted nose permits opening of clip without exposing metal. Size, 2⅛″. Shpg. wt., 3 oz.

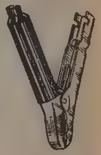
Stock No.	Type	Amps	Insulator	EACH
45 U 145	63	5	Red	.19
45 U 146	63	5	Black	.19
45 U 147	63C	10	Red	.22
45 U 148	63C	10	Black	.22

SLIP-ON INSULATORS FOR CLIPS

K Tough, flexible vinyl plastic insulators. High dielectric strength; holds clip firmly; resistant to oils and grease. Covers entire clip except for end of nose. Long tail prevents breakage of wire. Available in red and black to indicate polarity. Av. shpg. wt., 5 oz.

Stock No.	Mfr's Type	Use With Series	Color	EA.
45 U 036	13	11	Red	.80
45 U 037	13	11	Black	.80
45 U 038	23	21	Red	.40
45 U 039	23	21	Black	.40
45 U 041	26	24, 25	Red	.21
45 U 042	26	24, 25	Black	.21
45 U 043	29	27	Red	.13
45 U 044	29	27	Black	.13
45 U 046	32	30	Red	.05
45 U 047	32	30	Black	.05
45 U 051	36	34	Red	.05
45 U 052	36	34	Black	.05
45 U 053	47	45	Red	.06
45 U 054	47	45	Black	.06
45 U 056	49	48, 50	Red	.09
45 U 057	49	48, 50	Black	.09
45 U 058	62	60, 70	Red	.05
45 U 059	62	60, 70	Black	.05
45 U 061	72	70	Red	.05
45 U 063	72	70	Black	.05
45 U 064	87	85	Red	.06
45 U 066	87	85	Black	.06

HIPPO-CLIPS
TYPE 41A

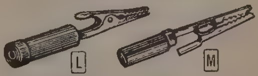


Plier clips for fast battery chargers and battery-booster cables. Tough vinyl insulating sleeves marked for polarity. Solder strap and cable clinching ears. Locks on battery terminal in any position. 1 9/16″ jaw spread; 6″ long. Steel copper plated rated 100 amps. Wt., per 100, 41 lbs.

45 U 076. Red. Positive .45
45 U 077. Black. Negative .45

Type 46-A. Pigmy-hippo clip. Above, but .1⅛ spread, 3″ long. 50 amps. 5¾ lbs. per 100.
45 U 071. Red. Positive .15
45 U 072 Black. Negative .15

H. H. SMITH
ADAPTER CLIPS



Alligator clips with jacks in handle to accept tip and/or banana plugs. Cadmium-plated steel.

L PLASTIC-HANDLE ALLIGATOR CLIPS

Type 305 With Combination Tip-Jack and Banana Jack. Ideal for use with test prods. Aids servicing. 2 oz.
41 U 168 Red..39¢ **41 U 169, Black**...39

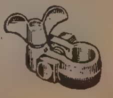
Type 304 With Tip Jack. Accommodates standard tip-plug only. 2 oz.
41 U 300. Red..33¢ **41 U 305. Black**...33

M ALL-INSULATED ALLIGATOR CLIPS

Type 337 With Banana Jack. Accommodates banana plug in receptacle end. 2 oz.
41 U 382. Red.24¢ **41 U 383. Black**...24

Type 336 With Tip Jack. Accommodates standard tip plug in receptacle end. 2 oz.
41 U 373. Red.36¢ **41 U 374. Black**...36

BATTERY BINDING POST



250-amp rating. Separate threaded terminal for cables with lugs. 5 oz.

41 U 785 .56

TUBE CAPS

sipating types (Fig. P) screw. Type 36011 (Fig. tight grip for indus- mobile uses. Shpg. wt. age, 3 oz.

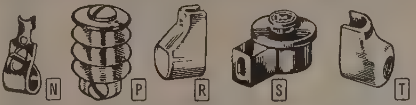
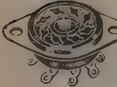


	Fig.	Description and Application	Pkg. Of	PER PKG.
4	N	National Type 24. For standard tubes, ⅜″ dia. grid caps.	5	.25
5	N	National Type 8. For octal tubes, ¼″ diameter grid caps.	5	.40
6	P	Eimac HR-6 heat dissipating cap for 4-250A, 304TH, etc. 23/64″ hole.	1	1.20
6	P	Bud TC-487 heat dissipating cap for UH50, HK24, 304B, 832A, 834. 1/16″ hole.	1	.68
8	P	Bud TC-1920 heat dissipating cap for 100T, 807, 4-125A, 2-150D, 250TH, 4-250A, 6146, 1625, 4D32, 807W, 1B3GT, etc. ⅜″ hole.	1	.68
9	P	Bud TC-1921 heat dissipating cap for 866, T125, HF100, 450TH, 750TH, 809, 811, 812, 813, 828, 866, etc. 9/16″ hole.	1	.80
3	S	Millen 36011 industrial snap-action-release, self-locking plate cap. 9/16″.	1	.75
5	R	National SPP-9 ceramic-insulated grid and plate cap. 9/16″	1	.24
8	N	National Type 12 grid and plate cap. 9/16″.	3	.24
4	T	Millen Type 36002 steatite tube cap. ⅜″	1	.24
5	T	Millen Type 36004 steatite tube cap. ¼″	1	.24
6	T	Millen 36001 steatite plate cap for 866, etc. 9/16″.	1	.24

Tube Sockets and Adapters

AMPHENOL STANDARD TUBE SOCKETS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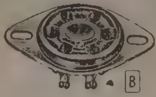
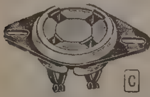

B

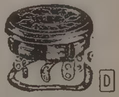
A **Type MIP.** Bakelite body with molded-in steel plate. *Require 1⅛″ hole; mounting centers, 1⁹⁄₃₂″. All others have 1⁵⁄₃₂″ mounting centers. †Requires 1¹⁄₆₄″ hole; others 1⁵⁄₆₄″ hole. §Mica-filled bakelite. Av. shpg. wt., 4 oz.

Stock No.	Type	Prongs	EACH
40 U 024	77MIP4	4	14¢
40 U 025	77MIP5	5	15¢
40 U 026	77MIP6	6	18¢
40 U 027	77MIP7S	7 Small	19¢
40 U 029	†77MIP7L	7 Large	19¢
40 U 028	77MIP8	Octal	16¢
40 U 126	*88-8	Octal	17¢
40 U 030	*88-8X	Loktal	22¢
40 U 034	§77MIP8T	Octal	19¢
40 U 032	77MIP9	9	18¢
40 U 033	77MIP11	11	21¢
40 U 069	77MIP12	12	21¢
40 U 070	77MIP20	20	54¢

B **Type RS.** High dielectric bakelite body with removable steel mounting plate. Designed for mounting in size 1¹¹⁄₆₄″ hole. Employ slotted mounting holes to fit centers from 1½ to 1⅞″. Av. shpg. wt., 4 oz.

Stock No.	Type	Prongs	EACH
40 U 004	78RS4	4	18¢
40 U 005	78RS5	5	20¢
40 U 006	78RS6	6	21¢
40 U 008	78RS8	Octal	20¢
40 U 071	78RS11	11	25¢


C


D

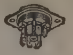
C **Type RSS.** Ultra-low-loss steatite replacement sockets. Ruggedly constructed. Adaptable to a wide variety of uses. Excellent for use in high-frequency transmitting equipment, etc. All are universal type; have removable mounting plate with slotted holes 1½ to 1⅞″. Mounting hole, 1¼″ except Type 49RSS7L, which requires 1²¹⁄₆₄″. Av. shpg. wt., 5 oz.

Stock No.	Type	Prongs	EACH
40 U 074	49RSS4	4	62¢
40 U 075	49RSS5	5	64¢
40 U 079	49RSS7L	7 Large	68¢
40 U 078	49RSS8	Octal	62¢

D **Type S.** High-dielectric molded bakelite body. Units are the same as Type RS, but without mounting plate. Mount quickly and easily without screws or rivets on panel or chassis up to .050″ thick with retainer ring supplied. Ruggedly built for trouble-free service. Socket may be positioned to line up contacts for convenient wiring. Require keyed 1¹¹⁄₆₄″ mounting hole. Av. shpg. wt., 4 oz.

Stock No.	Type	Prongs	EACH
40 U 054	78S4	4	13¢
40 U 055	78S5	5	14¢
40 U 056	78S6	6	16¢
40 U 057	78S7S	7 Small	17¢
40 U 058	78S8	Octal	15¢
40 U 062	78S9	9	18¢
40 U 060	78S8L	Loktal	22¢
40 U 072	78S11	11	20¢

AMPHENOL MINIATURE SOCKETS AND SHIELDS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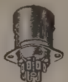
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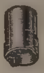
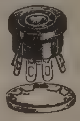

G


H

Finest quality. The 147 series mount in ⅝″-diameter holes, and have mounting centers with ⅛″ holes. The 59 series mount in ¾″ holes, and have 1⅛″ mounting centers with .095″ holes (except Type 59-403, which is .125″). †Mica-filled. ‡Constructed of black bakelite. Av. shpg. wt., 5 oz.

E WITHOUT TUBE SHIELD BASE

Stock No.	Type	Prongs	EACH
40 U 191	‡147-500	7	21¢
40 U 199	†147-505	7	22¢
40 U 193	‡59-409	9	27¢
40 U 167	†59-410	9	26¢

F WITH TUBE SHIELD BASE

Stock No.	Type	Prongs	EACH
40 U 194	‡147-905	7	28¢
40 U 175	†147-913	7	28¢
40 U 103	†59-403	9	39¢
40 U 176	†59-407	9	36¢
40 U 196	‡59-406	9	32¢

G TUBE SHIELDS
FOR 9-CONTACT SOCKETS

Made of cold rolled cadmium-plated steel, 5 oz.

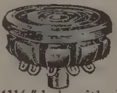
Stock No.	Type	Height	EACH
40 U 189	5-408	1¹⁵⁄₁₆″	19¢
40 U 190	5-409	2⅜″	23¢

H RETAINER RING SOCKETS

Mount in ⅝″ round or "D" shaped hole with retainer rings provided. May be used with Amphenol Series 91-MPM plugs. Made of black bakelite. Shpg. wt., 5 oz.

Stock No.	Type	Prongs	EACH
40 U 131	78-S3S	3	9¢
40 U 115	78-S4S	4	12¢
40 U 122	78-S5S	5	16¢
40 U 130	78-S6S	6	17¢
40 U 120	78-7P	7	22¢

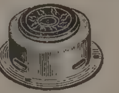
TYPE "S" 9-PIN SOCKET



Full-size bakelite body with miniature 7 or 9-pin contacts. Ideal for recircuiting—mounts quickly and easily, without screws or rivets, on panel or chassis. Mounts in keyed 1¹¹⁄₆₄″ hole with ring (supplied). 5 oz.

40 U 114. 78-A9P..................... 34¢

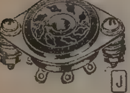
ACS SOCKET SHELL

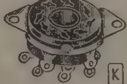


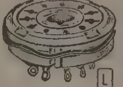
Type 23-1S. Lightweight aluminum shell for Type RSS, RS and S sockets (except Type 49RSS7L). Permits extension of sockets ¹³⁄₁₆″ above or below chassis. Body dia., 1¹¹⁄₁₆″; 2³⁄₁₆″ base. Requires 1¾″ mounting hole. Socket not supplied. Wt., 5 oz.

40 U 127................................ 14¢

AMPHENOL SPECIAL OCTAL AND MAGNAL SOCKETS


J


K


L

J **Type 77-MIP8FK Floating Octal.** Live-rubber grommets in enlarged mounting holes of sturdy steel plate. Mounts in 1³⁄₁₆″ hole with two ¼″ holes on 1½″ centers. Supplied with grommets, mtg. screws, nuts, washers. Shpg. wt., 5 oz.

40 U 043.................... 32¢

K **Type 168-015 Saddle Octal.** For below-chassis mounting. Steel plate is molded directly into bakelite body. For 1″ hole; ⁹⁄₆₄″ mounting holes on 1⁵⁄₁₆″ centers. Wt., 5 oz.

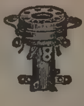
40 U 118.............................. 15¢

L **Type 49-SS11L Magnet.** Has 1¹⁄₁₆″ pin circle to accept 11-prong cathode-ray tubes. Low-loss steatite. Steel retaining ring for quick assembly. 1⅝″ mounting hole. 7 oz.

40 U 090.......................... 86¢

This Catalog is your guide to the world's largest stock of everything in electronics. Your orders receive fast, efficient handling by skilled personnel.

VECTOR
SOCKET TURRE



Terminal structures for multi-stage sub-assemblie on phenolic form; 7-pin in ⅝″ hole; 9-pin nova hole. ½-in. dia. 3 oz.

2″ Turrets. 9 terminals in two rings,

Stock No.	Type	Socket
40 U 217	8-M-9T	7-Pin Min.
40 U 233	8-N-9T	9-Pin Noval

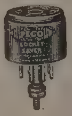
1½″ Turrets. Have 6 terminals in

40 U 218	6-M-6T	7-Pin Min.
40 U 234	6-N-6T	9-Pin Noval

Type S9 Shield Base. For use with 9-pin sockets above. Fastens above c socket mounting centers. Use with bayonet shield. Shpg. wt., 2 oz.

40 U 236 ....

POMONA SOCKET



Rigid-mounting socket sa constructed of durable phe terials with beryllium cop tacts. Protect your tube tes ets from wear of repeated sertions. Plugs directly int socket. Av. shpg. wt., 3 oz.

Stock No.	Type	Use With
40 U 668	SS-7	7-pin miniature
40 U 669	SS-8	8-pin octal
40 U 678	SS-9	9-pin miniature
42 U 240	SS-12	12-pin compactro

POMONA TEST SOCKE
TUBE ADAP

TVS-9

1447, 9

Permit circuit ments from atop TVS-7, TVS-8, TVS-12 have test tabs, and m molded design p M-14. Breakdov VDC. 1447 (.65 1²¹⁄₃₂″) and 1449 x 1²¹⁄₃₂″) for tun captive or tele tube shields. Bre 1800 VDC. 5 oz.

Stock No.	Type	Pins	Descriptio
40 U 035	TVS-7	7	Miniature
40 U 036	TVS-8	8	Octal
40 U 037	TVS-9	9	Miniature
42 U 211	TVS-12	12	Compactron
40 U 038	1447	7	Miniature
40 U 039	1449	9	Miniature

POMONA 110° TUBE
CONVERSION ADAP

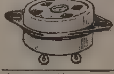
110-S Sylvania Type. F decal equipment. No rewiri in for 110° socket. .820″ p dia. 7 pins, .093″ dia. 4 oz.

40 U 683..................

110-R RCA Type. As above, but circle dia. 8 pins, .04″ dia. Wt., 5 oz.

40 U 684..........................

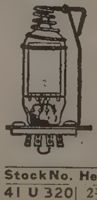
JAMES MILLEN TUBE SOC



Steatite sockets f use. Barriers betw tacts for longer path. Mounting 1¾″. Shpg. wt., 4

Stock No.	Type	Prongs
43 U 200	33004	4
43 U 201	33005	5

H.H.SMITH 'MINI-S
TUBE HOLD-DOV



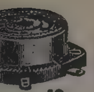
Hold tubes securely i Prevent breakage and greater stability. Valuab tubes are mounted upsi or in a horizontal positio or 9-pin miniature tubes with nut and bolt, or ma stalled with rivet. Avera wt., 3 oz. **10 per packa**

Stock No.	Height	For Tubes	P
41 U 320	2⅜″	6AQ5, 6X4, 35B5, 35W4, 50B5, etc.	
41 U 321	1⅞″	1R5, 6AG5, 6AT6, 6BE6, 6C4, etc.	
41 U 322	1½″	6AJ5,6AK5,6AL5, 6AS6, 6N4, etc.	
41 U 323	1⅞″	12AT7,12AU7,etc.	

Sockets and Socket Adapters

EBY SOCKETS AND ADAPTERS

TUBE SOCKETS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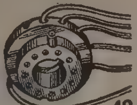
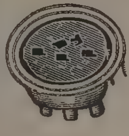

49

hassis Type. One-piece molded bake-
ruction, for top-of-chassis or panel
. Mtg. ctrs. 1 11/16". Shpg. wt., 2 oz.

o.	Type	Prongs	EACH
	12-4	4	.50
	12-8	Octal	.65

Socket Type 49-13DD. All-molded
luo-decal TV tube socket for magnetic
tatic focusing tubes. Complete with
Shpg. wt., 4 oz.
....59

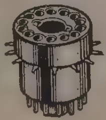
TOR SOCKETS



J. For use with
vistor electron
J-5 is a 5-pin type
ca-filled bakelite
NU-7 (not illus.)
saddle-mounting
akelite. 2 oz.
). NU-5.......20
). NU-7.......90

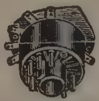
TEST SOCKET ADAPTERS

COLOR TV CRT



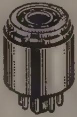
-1. Test point adapt-
" color TV picture
ets any serviceman
CRT under actual
without removing
assis from cabinet.
8 oz.
.............4.08

CK-&-WHITE TV CRT



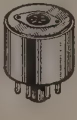
). Socket adapter for
lack-and-white TV
picture tubes. Easy
or remove. External
it check of all CRT
es while set is oper-
., 3 oz.
..............94

VAR ADAPTER



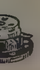
0. Keep your servicing
up-to-date by adding
ter. Permits testing of
Novar tube on exist-
quipment. Each adapter
with complete instruc-
g. wt., 5 oz.
................1.76

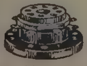
ISTOR ADAPTER

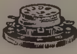


0. This adapter permits
the RCA 7-pin Nuvistor
ng existing test equip-
nply plug adapter into
octal socket. Includes
llow instruction sheet.
, 8 oz.
.....................1.76

ONA SURFACE-MOUNTED READBOARD SOCKETS


-7

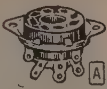

XS-8


XS-9

double chassis design. Insulated
uits may be wired in enclosed unit.
ections numbered. Phosphor-bronze
ntacts. Standard center-to-center
. XS-7 and XS-9 mount either in cen-
ide. XS-8 mounts on side only. 1 oz.

No.	Type	Pins	EACH
15	XS-7	7	.59
16	XS-8	8	.75
17	XS-9	9	.69

CINCH-JONES SOCKETS AND HEAT SINKS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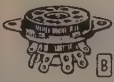
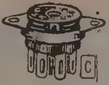

B


C

A **Type 8AB Octal Socket with 1 5/16" Mounting Center.** General-purpose socket molded from high-dielectric black bakelite. Has brass contacts and steel, pressed-on saddle with four ground lugs. Mounts in 1-in. chassis hole. Shpg. wt., 2 oz.
43 U 359..............................09

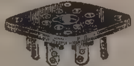
B **Octal Sockets With 1½" Mounting Centers.** Similar to above, have clinch-on saddle with 4 ground lugs; mount in 1⅛" hole. Ceramic unit for UHF use. Av. shpg. wt., 2 oz.

43 U 361	8EB	Black bakelite	.10
43 U 363	8EM	Mica filled	.12

Miniature Sockets—Bottom Mounting. Molded bakelite. Solder-coated brass contacts; cadmium plated steel saddle. 7EB mounts in ⅝" hole; ⅞" mtg. centers. 9EB mounts in ¾" hole; 1⅛" centers. 2 oz.

Stock No.	Type	Fig.	Description	EA.
41 U 126	7EB	C	7-pin, bakelite	.09
41 U 128	9EB	D	9-pin, bakelite	.12

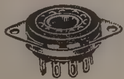
WAFER-TYPE TUBE SOCKETS



Laminated-bakelite tube sockets widely used in radio and TV sets, mobile units, etc. Have solder-coated brass contacts for easy soldering. *With center shield. **Pkg. of 5.** Wt., 4 oz.

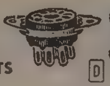
Stock No.	Type	Centers	Pins	Pkg. of 5
40 U 412	7WL2*	1"	7 (min.)	.30
40 U 413	7WL4*	1 5/16"	7 (min.)	.40
40 U 414	555	1 5/16"	8	.40
40 U 415	528E	1½"	8	.40
40 U 416	9W1*	1⅛"	9 (min.)	.40

NOVAR SOCKET



Type 9NS-B. For 9-pin novar tubes. Top-mounting. Meets or surpasses EIA standards. Molded out of high-delectric black bakelite. Has cadmium-plated brass contacts. Same dimensions as octal sockets, above. With 1½" mounting center. Shpg. wt., 3 oz.
41 U 390..............................09

OCTAL AND MINIATURE TUBE SOCKETS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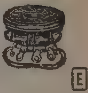

E

Miniature Sockets—Top Mounting. Made of molded bakelite. Brass contacts. Type 7AB1 mounts in ⅝" hole; has ⅞" mounting centers. Type 9AB mounts in ¾" hole; has 1⅛" mounting centers. Average shpg. wt., 2 oz.

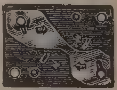
Stock No.	Type	Fig.	Description	EA.
41 U 117	7AB1	C	7-pin, bakelite	.09
41 U 119	9AB	D	9-pin, bakelite	.12

E **Type 8R1 Ring-Mounting Octal Socket.** Molded black-bakelite tube socket has solder-coated brass contacts. Mounts in 1 11/64" keyed hole. With retainer ring. Chassis thickness, 1/16". Av. shpg. wt., 2 oz.
43 U 364..............................18

40 U 800. Type 8RO Retainer Ring. Extra ring for above socket. Wt., 1 oz...........03

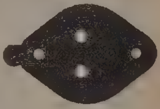
Type 8AP Adapter Plate. Rugged adapter plate for use with ring sockets when screw or rivet mounting is required. Adapter plate has slotted 1½" to 1⅞" mounting centers; 1 11/64" keyed hole. Shpg. wt., 1 oz.
43 U 368..............................04

POWER TRANSISTOR SOCKET



Type 2-TS1. Rugged socket designed especially for power transistors. Made of wax-impregnated XP bakelite. Has formed thread for 6-20 screw. With .104/.110" dia. hole in CR plate. Shpg. wt., 2 oz.
40 U 713..............................09

POWER TRANSISTOR HEAT SINKS

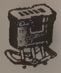


Anodized aluminum wafers to meet exacting applications. High thermal conductivity reduces operating temperature of transistor. High corrosion resistance. Type 2W-2 not illustrated. Shpg. wt., 2 oz.

Stock No.	Type	For	EACH
40 U 338	2W-1	Mot. 2N179, 2N176, 2N554	.32
40 U 339	2W-2	Delco 2N174	.32

ELCO PRINTED-CIRCUIT AND TRANSISTOR SOCKETS

RETAINER MOUNT SOCKETS

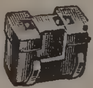


In-line sockets of mica filled phenolic. For transistors and subminiature tubes. Contacts are gold flashed. Require retainers listed below. Av. shpg. wt., 3 oz.

Stock No.	Type	Prongs	EACH
41 U 074	05-0799	3	.10
41 U 080	05-0803	4	.11

Retainer Ring For Above Sockets. Designed for Type 05-0799 and 05-0803 transistor and miniature tube sockets above. 2 oz.
41 U 097.......................**Each** .02

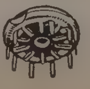
PRINTED CIRCUIT SOCKETS



Excellent selection of sub-miniature, mica filled phenolic sockets for use on printed circuit boards. For transistors and subminiature type tubes. All contacts gold flashed. Av. wt. 2 oz.

Stock No.	Type	Prongs	EACH
41 U 062	05-0786	3	.12
41 U 063	05-0805	4	.12

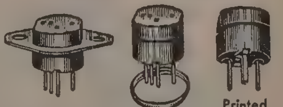
UHF PRINTED-CIRCUIT STANDOFF SOCKETS

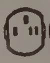


For 7 and 9-pin miniature tubes. Have low-loss, mica-filled insulators. Silver-plated, phosphor-bronze contacts. 2 oz.

Stock No.	Mfr's Type	Pins	EACH
45 U 529	04-730-01	7	.14
45 U 528	04-930-01	9	.18

TRANSISTOR SOCKETS


Saddle Mounting
Mounting Ring
Printed Circuit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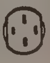
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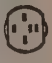
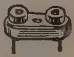

H

Subminiature mica sockets eliminate loss and damage from direct soldering of transistor pins. For 3-pin transistors with in-line pins or 3 and 4-pin transistors with pins on .200" diameter circle of any configuration. Conform to MIL-P-14. Shpg. wt., 2 oz.

Stock No.	Type	Fig.	Mtg.	EACH
41 U 092	05-3301	F	Saddle	.18
41 U 238	05-3303	F	PC	.14
41 U 094	05-3305	F	PC	.14
41 U 244	05-3308	G	PC	.17
41 U 093	05-3304	F	MR	.14
41 U 243	05-3307	G	MR	.17
41 U 249	05-3313	H	MR	.20
41 U 095	55-47202	Mtg. ring only		.02

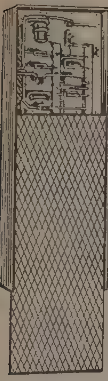
JAN CRYSTAL SOCKETS



*MIL TS0205C01. For .486" pin spacing. .050" pin dia. 2 oz.

Stock No.	Mfr's Type	EACH
45 U 532	*04-210-01	.11
45 U 533	04-210-04	.12

Vector Adapter and Breadboard Kits



Vector-Pak 28X

VECTOR-PAK 28X HIGH-FREQUENCY CIRCUIT BREADBOARDING KIT

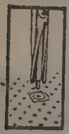
Complete "RF tight" kit for packaging circuits operating at VHF frequencies, and up through UHF ranges where "plumbing" type lines are generally required. Virtually duplicates circuit performance achieved by more expensive construction techniques. Also permits making circuit and component changes very quickly and easily. Circuit may be slipped out without effort and replaced with another.

Kit consists of two parts: an 8½x3x2" aluminum case with 2 slide out shield sides for ready access to the enclosed copper-clad circuit board; and the circuit assembly hardware. Case provides an RF-tight, completely shielded enclosure. Circuit assembly hardware includes: 1 pre-punched, copper-clad, epoxy glass Vectorbord (8⅛x3x1/16"); 4 standoff terminal strips with 8 terminals; 2 standoff terminal strips with 12 terminals; 3 punched wall strips (.64x1.94") with "L" mounting brackets, no terminals; 3 copper-clad punched strips for internal shielding (.90x2.85"); 50 "Miniklip" terminals; 1 terminal inserting tool; 1 pad cutter tool; 3 tetrode type transistor sockets, no saddle; 3 right-angle-mounting tetrode type transistor sockets; 2 power transistor sockets; 36 mounting screws (#0-80x5/16") with nuts; 1 socket wrench for nuts; 15 steel spacers; 10 epoxy glass transistor mounting pads; 1 roll of #24 copper wire, vinyl covered; 1 roll of tinned copper wire; 18 pieces of plastic tubing for copper wire, with 1/16" O.D.; 50 eyelets (1/16x7/32").

All circuit components mount close to copper ground plane by using terminal strips, sockets and hardware. Less case, below. Shpg. wt., 2 lbs.

46 U 034. Complete 28X Kit..............**25.00**

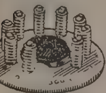
46 U 036. Type HF 20-86 31 Case Only. With 2 sliding sides. Sturdy aluminum. Shpg. wt., 8 oz. **5.50**



Pad Cutter Tool

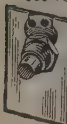
BREADBOARD ACCESSORIES

SOLDERLESS SOCKETS. Reliable solderless "Springclips" are soldered to socket contacts. Up to 6 leads connect to each "Springclip" for fast, reliable connection. Sockets mount on any "A" or "AA" pattern Vectorbord with furnished hardware. ¼ oz.



568 1C

Stock No.	Mfr's Type	Description	EACH
45 U 614	567-1C	8-Pin Octal	1.50
45 U 615	568-1C	9-Pin Noval	1.65
45 U 616	569-1C	7-Pin Miniature	1.35
45 U 617	570B	4-Lead Transistor	1.20

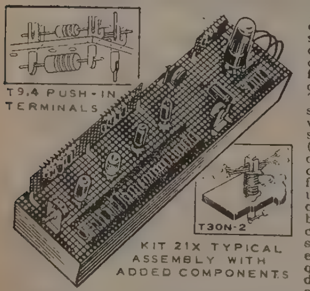


B-20

B20 POT AND SWITCH BRACKETS. Aluminum brackets fit any "A" or "AA" Vectorbord. 2x1x¼".
45 U 618. Shpg. wt., 4 oz.........**Pkg. of 4 for 46¢**

BUS STRIPPING. Brass strips. 2" wide; .093" holes, .265" ctrs. Mount with T-9.4 terminals, T-30 clips or #4 self-tap screws ("A" or "AA" pattern).
45 U 620. T 58 8" Strips. ¼ oz....**Pkg. of 10 .70**
45 U 619. T 57 16" Strips. ½ oz....**Pkg. of 10 1.10**

VECTOR EXPERIMENTERS' CHASSIS KITS



T9.4 PUSH-IN TERMINALS

T30N-2

KIT 21X TYPICAL ASSEMBLY WITH ADDED COMPONENTS

Designed for rapid setup of experimental circuits with simple hand tools. For tube or transistor circuits. Include push-in terminals, perforated XXXP phenolic decks, aluminum supports, T-30N-2 installation tool, spring pusher tool, hardware. Terminals: T-9.4 supplied with insert tool (push-in type requires soldering); T-30N-2 "Springclip" with top-mounted nut for easy push-down, holds up to 6 wires tightly, without soldering, crimping, bending; T-30DN ("Springclip" slips-on lugs of pots, switches, large capacitors, etc.—no soldering required). Type 20X has 1 deck; Type 21X has 1 large and 2 small decks, 14 diode clips; Type 22X has 1 large and 2 small decks, 12 diode clips; Type 25X has 1 large and 2 small decks, 14 diode clips, wood, aluminum parts. Shpg. wt., 3 lbs.

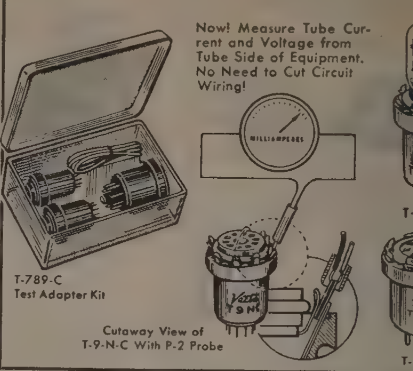
Stock No.	Mfr's Type	Main Deck	Small Deck	EACH
40 U 906	20X	4¾x8½"	1⅜x1 29/32x3/32"; 1 29/32x8½x3/32"	6.25
40 U 907 X	21X	4¾x17"	1⅜x1 29/32x3/32"; 1 29/32x8½x3/32"	15.25
40 U 908	22X	4¾x8½"	1⅜x1 29/32x3/32"; 1 29/32x8½x3/32"	10.50
40 U 909 X	25X	8½x17"	1⅜x1 29/32x3/32"; 1 29/32x8½x3/32"	19.50

KITS ABOVE INCLUDE THE FOLLOWING

Mfr's Type	Terminals			Tube Sockets			Trans. Sockets	
	T-9.4	T-30N-2	T-30DN	7P	8P	9P	3, 4P	Power
20X	75	20	10	3	2	3	0	0
21X	100	50	15	3	2	3	6	0
22X	75	20	10	0	0	0	4	2
25X	100	100	15	3	2	3	4	2

TEST ADAPTERS AND KITS

CURRENT/VOLTAGE TUBE SOCKET TEST ADAP



Now! Measure Tube Current and Voltage from Tube Side of Equipment. No Need to Cut Circuit Wiring!

T-789-C
Test Adapter Kit

Cutaway View of
T-9-N-C With P-2 Probe

TYPE T-7-M-C SOCKET TEST ADAPTER

Tube socket test adapter fits shield base for 7-pin miniature tu
Completes circuit and provides convenient, easy-to-reach te
ments. Lets you make accurate voltage, current and waveform
ments from top-side of chassis. Tabs consist of a pair of sprin
which are separated electrically when optional Dual Side
(see table below) is inserted. Probe "breaks" circuit, and pro
rent or voltage reading to your meter. Electrostatic capacit
imately 1 mmf. Flash-over voltage, over 1500 VDC. With phe
socket and plug. Length, less prongs; 1.47".

T-8-O-C SOCKET TEST ADAPTER

Fits standard 8-pin octal tube clamps. Has same specificatio
M-C test adapter above except length. Less prongs is 1.5".

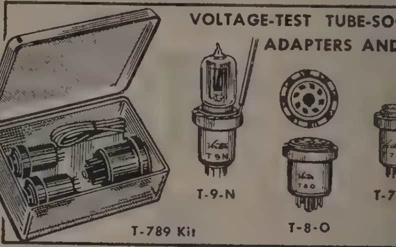
T-9-N-C SOCKET TEST ADAPTER

Fits into shield base for 9-pin miniature types. Includes same
tions as T-7-M-C socket test adapter above.

Stock No.	Type	Socket	Body Dia.	Skirt Dia.	Oz.
46 U 035	T-7-M-C	7-Pin Min.	.74"	1.03"	¾
46 U 037	T-8-O-C	8-Pin Oct.	1.26"	1.56"	1½
46 U 038	T-9-N-C	9-Pin Min.	.87"	1.16"	¾
46 U 040	P-2	Dual Sided Plug-in Probe			½

TYPE T-789-C COMPLETE 3-SOCKET ADAPTER

Includes all 3 socket adapters, P-2 Probe, plastic case. 6 oz.
46 U 039 ....



VOLTAGE-TEST TUBE-SO
ADAPTERS AND

T-9-N

T-789 Kit

T-8-O

TYPE T-7-M SOCKET ADAPTER

Similar to T-7-M-C above, but without current-measuring
Fits 7-pin miniature tube socket. Tabs on adapter designed
optional P-1 Probe, listed in table. Flash-over voltage, in exces
VDC. Length, less prongs, 1.5". Shpg. wt., ½ oz.

TYPE T-8-O SOCKET ADAPTER

Fits standard 8-pin octal tube clamps. Has same specifica
T-7-M listed above. Shpg. wt., ¾ oz.

TYPE T-9-N SOCKET ADAPTER

Fits into shield base for 9-pin miniature types. Has same speci
as T-7-M above. Shpg. wt., ½ oz.

Stock No.	Mfr's Type	Socket	Shell Body Dia.	Shell Skirt Dia.
40 U 040	T-7-M	7-Pin Min.	.75"	1.03"
40 U 041	T-8-O	8-Pin Oct.	1.25"	1.56"
40 U 042	T-9-N	9-Pin Min.	.87"	1.16"
40 U 044	P-1	Plug-in Probe		

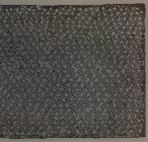
TYPE T-789 COMPLETE 3-SOCKET KIT

Includes all 3 of the voltage-test tube-socket adapters described
Types T-7-M, T-8-O and T-9-N—plus a handy P-1 probe. C
sturdy plastic case. Shpg. wt.; 6 oz.
40 U 210 ....

Vector "Plugbords", Knobs and Dials

Vector PLUGBORDS-TERMINALS

"PLUGBORDS" AND RECEPTACLES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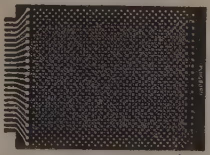
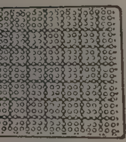

838-A


2536-WE

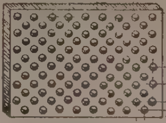
"Plugbords." Manufactured of sturdy 1/16" thick epoxy paper, EXXXP per MIL-P-22324 except * are 1/16" epoxy glass, Grade G-10 per MIL-P-18177. All plugboards except Type 2536WE have grid of .062" holes on alternate 0.1" centers. Type 2536WE has .093" holes on 0.2" grid and number matrix for easy hole identification. Type 838PWE has an etched copper pad network. All contacts are on .156" centers and .072" wide except § .090" wide. Av. shpg. wt., 2 oz.

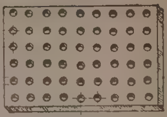
	Mfr's Type	Size	No. Contacts	EACH
8	812	4½x6½"	16	2.73
6	812WE*	4½x6½"	16	3.23
7	837	3x4½"	12	2.13
7	837WE	3x4½"	12	2.36
9	838A §	4½x6½"	22	2.57
1	838PWE* §	4½x6½"	22	3.56
8	848WE*	4½x6½"	35	5.58
2	838 §	4½x6½"	43	3.34
3	2536WE*	4½x6½"	35	6.38

les. All types come equipped with solder and taper tab leads. wt., 3 oz.

.	Mfr's Type	No. of Contacts	For	EACH
4	R612-1	12	837, 837WE	1.64
5	R616-1	16	812, 812WE	2.04
2	R644	44	838PWE, 838 and A	2.62
5	R635	35	848WE, 2536WE	4.46

"VECTORBORD" PREPUNCHED TERMINAL BOARDS

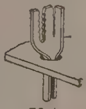

Pattern G

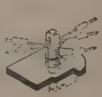

Pattern A, AA, B, F

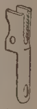
Designed for Breadboard or production applications. No suffix letters indicate boards are phenolic, XXXP per MIL-P-3115B; Suffix EP indicates epoxy paper, EXXXP per MIL-P-22324; suffix WE indicates epoxy glass, G-10 per MIL-P-18177. Patterns A, B, F, G are 1/16" thick; AA is 3/32" thick. Patterns A and AA have .093" holes on .265" grid; B has .062" holes on .180" grid; G has .062" holes on staggered 0.1" grid; F has .062" holes on .2" grid. 17" long except *8½". Push-in T9.4 and T30N-2 terminals, on preceding page, fit Pattern A and AA. T-28 fit B, F and G. 7 oz.

Stock No.	Mfr's Type	Width	Pattern	No. Holes	EACH
40 U 916	85G24EP	4 13/16"	G	(85x23)x2	2.06
40 U 917	32AA18	4 13/16"	AA	32x18	.84
40 U 918	64A18	4 13/16"	A	64x18	1.25
40 U 919	64AA18	4 13/16"	AA	64x18	1.60
40 U 926	32AA9*	2 7/16"	AA	32x9	.60
45 U 601	64A18WE	4 13/16"	A	64x18	3.72
45 U 604	85G24WE	4 13/16"	G	(85x23)x2	3.81
45 U 605	85F24EP	4 13/16"	F	85x23	2.06
46 U 008	64AA18EP	4 13/16"	AA	64x18	2.73
46 U 009	42G24WE*	4 13/16"	G	(42x24)x2	1.94
46 U 005	45B30*	5⅝"	B	45x30	.84
46 U 006	90B30	5⅝"	B	90x30	1.62
46 U 007	64AA32	8½"	AA	64x82	2.45

PUSH-IN TERMINALS


T9.4


T30N-2

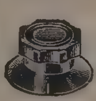

T28

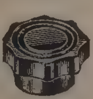
Hold multiple leads, need no staking. Type T9.4 have slots for small and large leads. Type T30N-2 spring clips hold up to six .05"-dia. wires without soldering. T28 terminals are designed for subminiature components. Shpg. wt., per pkg. of 100, 3 oz.

Mfr's Type	Fits Holes	Stock No.	PER PKG. OF 100	Stock No.	PER PKG. OF 1000
T9.4	.093"	40 U 878	1.25	41 U 437	8.90
T28	.062"	40 U 879	1.55	41 U 438	11.00
T30N-2	.093"	40 U 889	8.45	41 U 439	58.90

Insertion Tools. Simplify insertion of push-in terminals. 2 oz.
40 U 601. Type P-91. For T28 terminals .50
40 U 603. Type P-92A. For T30N-2 terminals .50
40 U 607. Type P-122. For T9.4 terminals 1.00

Y DAVIES FLUTED KNOBS

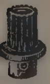

B


C

of quality fluted knobs. Functionally -add custom appearance to Ama- experimental equipment. Durable, bakelite. Have metal inserts with o fit flatted or round ¼" shafts. 4 oz.

o.	Fig.	Dia.	EACH
7	A	1⅛"	.36
9	A	1⅝"	.39
20	A	2⅜"	.52
21	C	1⅛"	.23
23	C	1⅝"	.27
24	C	2⅜"	.40
25	B	1½"	.44
26	B	2 1/16"	.54

LLEN MINIATURE KNOBS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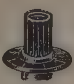
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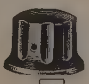
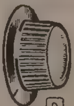

EE

stic knobs with brass inserts for ⅛" shafts. Developed primarily for use urized equipment. Type A018, A007 have screwdriver slot in top. Overall 006, ½"; A007, A018 and A019, ⅝". wt., 4 oz.

.	Type	Fig.	Size	EA.
3	A019	BB	¼" dial dia.	.36
4	A018	CC	⅜" dial dia.	.39
5	A007	DD	⅝" dial dia.	.42
5	A006	EE	¾" dial dia.	.48

HARRY DAVIES MOLDED KNOBS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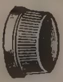
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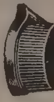
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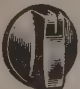
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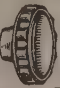
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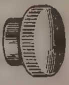
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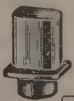
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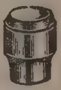
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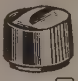
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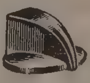
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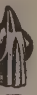
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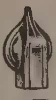
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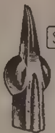
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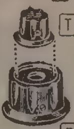
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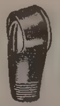
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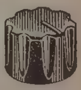
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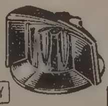
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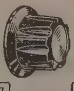
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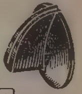
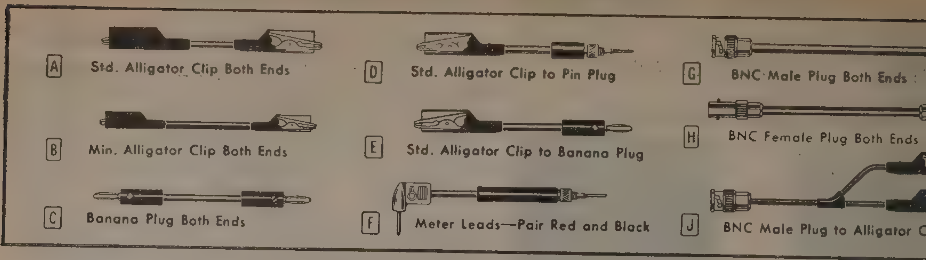

AA

Handsomely styled plastic knobs for replacement or original equipment use. Figs. E and F are for small radios. *For knurled shafts; †screws onto 8-32 threaded shaft; #screws on 6-32 threaded shaft; ‡self-locating friction fit for flat wire shafts; all others equipped with setscrews to permit use with either round or flatted ¼" shafts. §Have aluminum insert. **For dual concentric shafts. Av. shpg. wt., 3 oz.

Stock No.	Fig.	Size	Color	EACH	Stock No.	Fig.	Size	Color	EACH
44 U 127	D	1½"	Black	.14	44 U 172	P	1¼"	Black	.10
44 U 129	D	29/32"	Black	.13	44 U 173	P	1¼"	Red	.11
44 U 136	*E	11/16"	Black	.05	44 U 174	P	1¼"	Black	.14
44 U 134	E	11/16"	Black	.09	44 U 176	S	2"	Black	.17
44 U 137	E	1"	Black	.13	44 U 177	S	2"	Red	.18
44 U 138	F	11/16"	Black	.09	44 U 178	S	2"	Black	.22
44 U 140	F	1"	Black	.14	44 U 182	T	¾"	Black	.14
44 U 141	G	1⅛"	Black	.13	44 U 179	T	1¼"	Black	.16
44 U 142	G	1⅛"	Red	.13	44 U 181	**T&TT	¾"-1¼"	R&B	.30
44 U 144	H	⅞"	Black	.13	44 U 156	X	¾"	Black	.27
44 U 145	H	1¾"	Black	.18	44 U 157	Y	1¼"	Black	.20
44 U 146	†J	¾"	Black	.08	44 U 159	Y	1¼"	Red	.22
44 U 166	‡K	51/64"-½"	Black	.07	44 U 160	Z §	1¼"	Black	.28
44 U 168	#L	31/64"-½"	Black	.06	44 U 161	Z §	1¼"	Red	.30
44 U 170	M	¾"	Black	.11	44 U 162	AA	2"	Black	.82
44 U 171	N	1 3/16"	Black	.11	44 U 163	AA	2"	Red	.86
44 U 175	R	1¼"	Black	.13	44 U 184	W	1⅝"	Black	.18

Test Leads and Connector Cables


A
Std. Alligator Clip Both Ends
D
Std. Alligator Clip to Pin Plug
G
BNC Male Plug Both Ends
B
Min. Alligator Clip Both Ends
E
Std. Alligator Clip to Banana Plug
H
BNC Female Plug Both Ends
C
Banana Plug Both Ends
F
Meter Leads—Pair Red and Black
J
BNC Male Plug to Alligator C

H. H. SMITH SHIELDED AND UNSHIELDED TEST LEADS

Provide firm mechanical and electrical contact. Feature No. 18 AWG 20,000-volt insulated wire that is extra-flexible and kinkless. Handles are of molded tenite, and/or molded bakelite. Cadmium-plated steel clips. Nickel-plated brass tips. Vinyl pla Shielded cable types use RG-58C/U coaxial cable, ex capacity cable. †Pair, one red and one black. Av. shpg. w

UNSHIELDED TEST LEADS

Stk. No.	Type	Ft.	Color	Fig.	EA.
41 U 851	1596 12-102	1	Red	A	.40
41 U 850	1596-12 103	1	Black	A	.40
41 U 856	1596 36 102	3	Red	A	.48
41 U 855	1596-36-103	3	Black	A	.48
41 U 861	1596 60-102	5	Red	A	.55
41 U 860	1596-60 103	5	Black	A	.55
41 U 863	1597-12 102	1	Red	B	.40
41 U 862	1597 12-103	1	Black	B	.40
41 U 865	1597-36 102	3	Red	B	.48

Stk. No.	Type	Ft.	Color	Fig.	EA.
41 U 864	1597-36-103	3	Black	B	.48
41 U 867	1597-60-102	5	Red	B	.55
41 U 866	1597-60-103	5	Black	B	.55
41 U 901	1863-12-102	1	Red	C	.60
41 U 874	1863-12-103	1	Black	C	.60
41 U 904	1863-36-102	3	Red	C	.70
41 U 903	1863-36-103	3	Black	C	.70
41 U 909	1863-60-102	5	Red	C	.80
41 U 908	1863-60-103	5	Black	C	.80

Stk. No.	Type	Ft.	Color
41 U 923	1865-36-102	3	Red
41 U 922	1865 36-103	3	Black
41 U 925	1865-60-102	5	Red
41 U 924	1865-60 103	5	Black
41 U 930	1866-36-102	3	Red
41 U 929	1866-36-103	3	Black
41 U 935	1866-60 102	5	Red
41 U 931	1866-60-103	5	Black
41 U 968	†0625	4	.

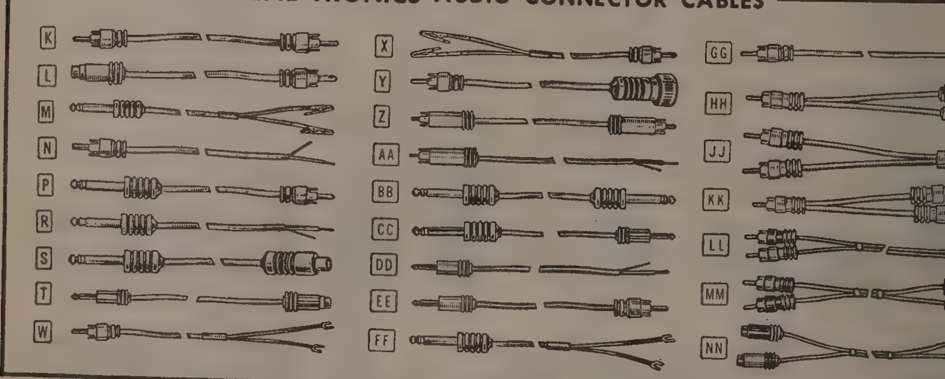
COAXIAL-CABLE SHIELDED TEST LEADS

41 U 969	1589 12	1	Black	G	3.50
41 U 973	1589 36	3	Black	G	3.70
41 U 974	1589-60	5	Black	G	4.00

41 U 979	1869-36	3	Black	H	4.00
41 U 980	1869-60	5	Black	H	4.25
41 U 986	*1537-12	1	Gray	J	2.85

41 U 987	*1537 36	3	Gray
41 U 990	*1537-60	5	Gray

LAB-TRONICS AUDIO CONNECTOR CABLES



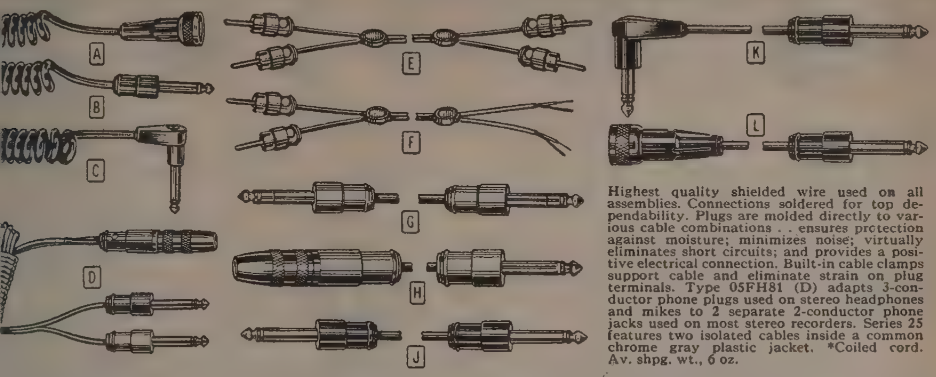
Plugs and jacks are molded of silver-gray, unbreakable Lenite to match cable color. Series T2000 connector cables have tiny phone plugs (one-third standard size) for late-model recording eq pocket radios, etc. *Unshielded. Av. shpg. wt., 5 oz.

Stock No.	Type	Fig.	Feet	Description	EACH
44 U 807	C101	K	1½	Pin plug each end	.63
44 U 808	C102	K	3	Pin plug each end	.72
44 U 810	C103	K	6	Pin plug each end	.90
44 U 811	C104	K	10	Pin plug each end	1.20
44 U 813	C202	L	3	Pin plug/pin jack	.81
44 U 815	C203	L	6	Pin plug/pin jack	1.05
44 U 816	C204	L	10	Pin plug/pin jack	1.20
44 U 817	*P7210	M	10	Phone plug/clips	1.44
44 U 818	*P7220	M	20	Phone plug/clips	1.80
44 U 819	C106	N	3	Pin plug/tinned lds.	.57
44 U 820	C107	N	6	Pin plug/tinned lds.	.69
44 U 821	C108	N	10	Pin plug/tinned lds.	.99
44 U 823	C4406	P	6	Phone plug/pin plug	1.20
44 U 825	C4410	P	10	Phone plug/pin plug	1.65
44 U 826	C4415	P	15	Phone plug/pin plug	1.80
44 U 827	C4006	R	6	Phone plug/tinned lds.	1.05
44 U 828	C4010	R	10	Phone plug/tinned lds.	1.35
44 U 829	C4015	R	15	Phone plug/tinned lds.	1.65
44 U 830	C4606	S	6	Phone plug/jack	1.56
44 U 831	C4610	S	10	Phone plug/jack	2.10
44 U 832	C4615	S	15	Phone plug/jack	2.40
44 U 883	T2503	T	3	Tiny plug/pin jack	1.32
44 U 884	T2506	T	6	Tiny plug/pin jack	1.50
44 U 885	T2510	T	10	Tiny plug/pin jack	1.77
44 U 833	*P6110	W	10	Pin plug/spade lugs	.90
44 U 835	*P6120	W	20	Pin plug/spade lugs	1.29
44 U 836	*P6210	X	10	Pin plug/clips	1.35
44 U 837	*P6220	X	20	Pin plug/clips	1.74
44 U 841	E806	Y	6	Mike con./pin plug	1.47

Stock No.	Type	Fig.	Feet	Description
44 U 812	S3415	Z	15	Pin plug each end
44 U 822	S3015	AA	15	Pin plug/tinned lds.
44 U 845	*P7310	BB	10	Phone plug each end
44 U 846	*P7320	BB	20	Phone plug each end
44 U 880	T2303	CC	3	Tiny Plug/phone plug
44 U 881	T2306	CC	6	Tiny plug/phone plug
44 U 882	T2310	CC	10	Tiny plug/phone plug
44 U 865	T2003	DD	3	Tiny plug/tinned lds.
44 U 866	T2006	DD	6	Tiny plug/tinned lds.
44 U 867	T2010	DD	10	Tiny plug/tinned lds.
44 U 862	T2403	EE	3	Tiny plug/pin plug
44 U 863	T2406	EE	6	Tiny plug/pin plug
44 U 864	T2410	EE	10	Tiny plug/pin plug
44 U 851	*P7120	FF	20	Phone plug/spade lug
44 U 852	*P6010	GG	10	Pin plug/tinned lds.
44 U 853	*P6020	GG	20	Pin plug/tinned lds.
44 U 868	A455	HH	4"	Pin plug/2 pin jacks
44 U 869	A544	JJ	4"	Pin jack/2 pin plugs
44 U 870	A444	KK	4"	Pin plug/2 pin plugs
44 U 871	CP8003	LL	3	2 pin plugs/tinned lds.
44 U 872	CP8006	LL	6	2 pin plugs/tinned lds
44 U 873	CP8010	LL	10	2 pin plugs/tinned lds
44 U 874	CP8403	MM	3	2 pin plugs each end
44 U 875	CP8406	MM	6	2 pin plugs each end
44 U 876	CP8410	MM	10	2 pin plugs each end
44 U 877	CP8503	NN	3	2 pin plugs/2 pin jacks
44 U 878	CP8506	NN	6	2 pin plugs/2 pin jacks
44 U 879	CP8510	NN	10	2 pin plugs/2 pin jacks

olded Cable Assemblies, Test Prods and Leads

SWITCHCRAFT MOLDED CABLE ASSEMBLIES

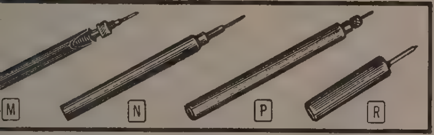


Highest quality shielded wire used on all assemblies. Connections soldered for top dependability. Plugs are molded directly to various cable combinations . . ensures protection against moisture; minimizes noise; virtually eliminates short circuits; and provides a positive electrical connection. Built-in cable clamps support cable and eliminate strain on plug terminals. Type 05FH81 (D) adapts 3-conductor phone plugs used on stereo headphones and mikes to 2 separate 2-conductor phone jacks used on most stereo recorders. Series 25 features two isolated cables inside a common chrome gray plastic jacket. *Coiled cord. Av. shpg. wt., 6 oz.

No.	Type	Fig.	Feet	Description	EACH
06	87LH84	A	*4	Switchcraft Type 2501F connector/tinned leads	2.01
04	05LH84	B	*4	Straight phone plug/ tinned leads	1.95
05	15LH84	C	*4	Right-angle phone plug/ tinned leads	1.95
31	05FH81	D	4	2 phone plugs/3-cond. phone jack	2.61
94	25FF25	E	3	2 straight phono plugs each end	1.95
95	25FK25	E	6	2 straight phono plugs each end	2.25
96	25FN25	E	10	2 straight phono plugs each end	2.70
97	25FF84	F	3	2 straight phono plugs/ tinned leads	1.74
98	25FK84	F	6	2 straight phono plugs/ tinned leads	1.95
99	25FN84	F	10	2 straight phono plugs/ tinned leads	2.25
93	10BK10	G	6	3-conductor phone plug each end	2.88

Stock No.	Type	Fig.	Feet	Description	EACH
41 U 594	10BN10	G	10	3-conductor phone plug each end	3.60
41 U 595	10BU10	G	25	3-conductor phone plug each end	5.25
41 U 596	10BK81	H	6	3-conductor phone plug/ phone jack	2.88
41 U 597	10BN81	H	10	3-conductor phone plug/ phone jack	3.60
41 U 598	10BU81	H	25	3-conductor phone plug/ phone jack	5.25
41 U 532	05LP05	J	*12	Straight phone plug each end	4.50
41 U 535	05LT05	J	*20	Straight phone plug each end	6.30
41 U 533	05LP15	K	*12	Straight phone plug/right-angle phone plug	4.50
41 U 536	05LT15	K	*20	Straight phone plug/right-angle phone plug	6.30
41 U 534	05LP87	L	*12	Straight phone plug/Type 2501F connector	4.59
41 U 537	05LT87	L	*20	Straight phone plug/Type 2501F connector	6.39

H. H. SMITH TEST PRODS



e 302 Solderless Test Prod. Threaded prod with 4″ long ic handle, ⅜″ outer diameter. Nickel-plated phone tip. Wire fits handle and body of plug, wraps around screw portion—secured ed collar. Shpg. wt., 4 oz.
0. Red. **42 U 111.** Black........................**Each 30¢**

e 323 Solderless Fiber Test Prod. Has 4″ bone fiber handle extra large ¼″ inside diameter for heavy-duty wire. Body is ated brass. Wire fits through handle and body of plug, wraps crew portion. Secured by knurled collar. Wt., 4 oz.
8. Red. **42 U 259.** Black........................**Each 30¢**

317 Phono Needle Test Prod. Brass, nickel-plated body with nickel-plated phono-type needle. Has removable chuck for broken needles. Needle pierces plating or corrosion to insure readings. Plastic handle 6″ long overall ⅜″ O.D.
3. Red. **42 U 374.** Black........................**Each 30¢**

319 Heavy-Duty Test Prod. Threaded type with extra-sturdy , nickel-plated tip. Molded plastic handle, overall length 5 3/16″ outer dia. Fits standard phone tip jacks. 3 oz.
5. Red. **42 U 376.** Black........................**Each 30¢**

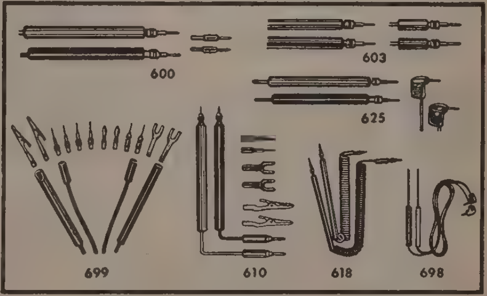
363 Short Tip Jack. Threaded type with brass, nickel-plated e tip. Tip inserts flush in 4″ long, ⅜″ diameter insulated molded reduces possibility of shock or grounding. 3 oz.
3. Red......42 U 224. Black........................Each 21¢

H. H. SMITH ALLIGATOR TEST LEADS

n-plated steel clips. Have vinyl plastic boots. idget clips. Av. shpg. wt., 4 oz.

No.	Type	Wire Lgth.	PER PAIR
383	629	12″	81¢
384	657	24″	87¢
385	716*	12″	81¢
86	717*	18″	84¢
387	718*	24″	87¢

H. H. SMITH TEST LEADS AND TEST LEAD KITS



Unless otherwise indicated, leads have 50″ red and black kinkless, rubber-covered wire; butyrate prod handles (one red, one black) 4″ long; ⅜″ outer dia. Brass phone tips, nickel plated.

Type 600. Solderless phone tips, meter end; phone tips on prod.
44 U 359. Shpg. wt., 4 oz................................**Per Pair 87¢**

Type 603 All-Solderless. Red and black plugs, meter end. Solderless phone tips both ends. Shpg. wt., 3 oz.
44 U 375.................................**Per Pair 1.26**

Type 610 Test-Lead Kit. Test leads with solderless phone tips on prods; banana plugs meter end. Tenite handles. Phone tips, Alligator clips, spade lugs that snap-on banana plugs. Wt., 4 oz.
44 U 395.................................**1.80**

Type 618 Stretch. 9″ coil extends to 6′. Tenite handles. Phone tips both ends. Shpg. wt., 6 oz.
44 U 398.................................**Per Pair 2.91**

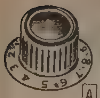
Type 625 Meter Leads. Solderless phone tips. Red and black elbows, right-angle phone tips. Shpg. wt., 3 oz.
44 U 371.................................**Per Pair 1.35**

Type 698 Slim-Jim. 3½″ cadmium-plated steel probes. Vinyl spaghetti insulator. Red & black plastic elbows with phone tips.
44 U 378. Shpg. wt., 4 oz................................**Per Pair 1.14**

Type 699 Universal Kit. 54¾″ leads. 4 phone tips, 2 alligator clips, 2 needle tips, 2 banana plugs, 2 spade lugs.
44 U 376. Shpg. wt., 5 oz................................**2.40**

Dials and Accessories, Knobs, Couplings

NATIONAL CALIBRATED KNOBS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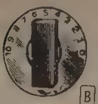
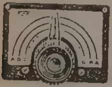

B

For any equipment. Types R, HRS-3, and HRS-5 are numbered 0-10 over arcs shown in scale column of table below. HRS-4 has single etched center line. All fit ¼" shafts. HRS types of molded Tenite with chromed bevel dial; Type R of molded bakelite, flat aluminum dial. Av. shpg. wt., 2 oz.

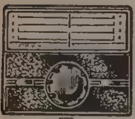
Stock No.	Type No.	Fig.	Color	Scale	Dia.	EACH
42 U 106	HRS-3	A	Black	0-10; 300°	1 7/16"	.66
42 U 107	HRS-3	A	Gray	0-10; 300°	1 7/16"	
42 U 125	HRS-4	A	Black	1-line	1 7/16"	
42 U 126	HRS-4	A	Gray	1-line	1 7/16"	
42 U 128	HRS-5	A	Black	0-10; 180°	1 7/16"	.66
42 U 129	HRS-5	A	Gray	0-10; 180°	1 7/16"	.66
42 U 136	R	B	Black	0-10; 180°	1⅝"	.69

NATIONAL TYPE MCN VERNIER DIAL



Small vernier dial with 5:1 drive. Perfect for mobile gear and other small units. Mechanism extends ¼" below frame. Black wrinkle finish. With 3 blank scales, hardware, and hub for ¼" shafts. Size: 2¾" high; 3⅞" wide Wt., 10 oz.
42 U 171 . . . . 7.20

MILLEN MULTI-SCALE DIALS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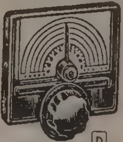
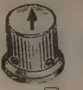

D

C **Type 10035.** Deluxe illuminated slide-rule dial. Two built-in pilot lights provide even illumination. Has 12 to 1 drive with 4 blank scales for calibration and one 0-100 logging scale. Scale can be used on both sides. Clear plastic dial window. Ample panel space for 2 small controls. 8½"x6½". Black finish. 2½ lbs.
43 U 241 . . . . 9.24

D **Type 10039 Midget Panel Dial.** Economy model. Drive ratio is 8 to 1. Totally self-contained mechanism eliminates back of panel interference; has 5 blank scales for calibration and one 0-100 logging scale. Black finish. Size, 4x3¼". Shpg. wt., 13 oz.
43 U 242 . . . . 6.30

NATIONAL HR SERIES KNOBS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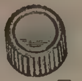
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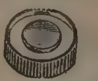
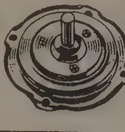

G

A matched line trial and cons Made of mold in a variety of sizes. All kno series share a semblance, giv unitized appear

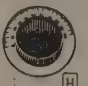
Stock No.	Type	Fig.	Description	
42 U 180	HRM	E	Satin chrome finish. ⅝" dia.	2
42 U 176	HR	F	Black; white dot. 15/16" dia.	2
42 U 177	HR	F	Gray; same as above	2
42 U 178	HRT	G	Black; chrome insert. 2⅛" dia.	3
42 U 185	HRT-M	G	Same as above, but 1½" dia.	2

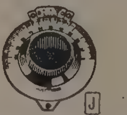
NATIONAL TYPE AVD-250 PLANETARY DIAL-



Smooth-operating planetary vernier tun anism. Provides 5:1 tuning ratio. Outp is 1-3 inch-pounds. Designed for fron mounting, has four 5/32" holes on 2 5/16" centers. For use with ¼" control shafts insulated output hub. Overall lengt Overall diameter, 2 9/16". Drive shaft dian Shpg. wt., 8 oz.
42 U 025 . . . .

NATIONAL CALIBRATED DIALS

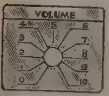

H


J

Smooth operating, depend attractive dials for a wide equipment. Knobs are bla lite with dials of nickel-pla 5:1 tuning ratio; have coll ¼" shafts. "N" Series ha scale readout; "AM" Se pointer. *Measured from k to mtg. plate back.

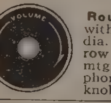
Stock No.	Mfr's Type	Fig.	*Depth	Skirt Style	Scale	Dia.	Wt Oz.
42 U 113	AM-2	H	1 7/16"	Beveled	0-100; 180°	3"	10
42 U 150	AM-5	H	1 7/16"	Beveled	200-0; 360°	3"	10
42 U 151	AM-6	H	1 7/16"	Beveled	0-150; 270°	3"	10
42 U 000	N-2	J	1⅜"	Flat	0-100; 180°	4"	12

WALDOM DIAL PLATES



Square. Attractive anodized aluminum dial plates with black scales. Use with 1¼" bar knob. Gives custom look to hi-fi and P.A. amps, preamps, recorders, etc. Size, 2 3/16x2⅝", with 13/32" center hole. 2 oz.

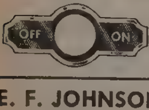
Stock No.	Type	Description	EA.
43 U 121	426	Volume, 0-10	.34
43 U 130	410	No title, 0-10	



Round. Etched aluminum scale with black background. 1¾" dia. Type 25 has clockwise arrow labeled "Volume" One-hole mtg. For amplifiers, modulators, phonos, etc. Use with 1¼" bar knobs. 13/32" center-hole. 2 oz.

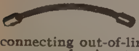
Stock No.	Type	Description	EACH
43 U 131	25	Volume	.28
43 U 135	569	0-100, 180°	
43 U 136	905	0-100, 270°	

WALDOM SWITCH PLATE



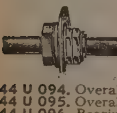
Etched aluminum with black background. 1 1/16x 1 11/16". 2 oz.
43 U 139 17

E. F. JOHNSON FLEXIBLE SHAFTS



Non-rusting phosphor-bronze flexible shafts with ¼" hubs. Ideal for connecting out-of-line shafts together. Handy accessory for Amateurs, labs, etc. Permit up to 90 degrees angular control. 2 oz.
46 U 411. 116-253. Length, 3" 60
46 U 412. 116-254. Length, 6" 86

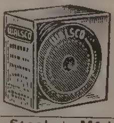
SMITH PANEL BEARING ASSEMBLY



For use with couplings at left on panels up to 7/16" thick mounted away from controls. Brass bearing has stub for knob with ¼" shaft on other side. Av. shpg. wt., 3 oz.
44 U 094. Overall length, 3" 33
44 U 095. Overall length, 6" 39
44 U 096. Bearing only 15

WALSCO

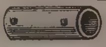
DIAL CORD SPOOLS

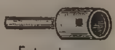


Cords with nylon sleeves over fiberglas or linen cores. Prestretched to prevent stretching and slipping; maintain proper tension. Av. wt., 4 oz.

Stock No.	Mfr's Type	Dia.	Strgth. (Lbs.)	Lgth. (Ft.)	EACH
43 U 194	652-Med	.040"	35	25	.73
43 U 198	656-Thin	.025"	15	25	
43 U 199	654-Std.	.032"	20	25	
43 U 197	652-Med.	.040"	35	100	2.32
43 U 195	656-Thin	.025"	15	100	
43 U 196	654-Std.	.032"	20	100	

SHAFT FITTINGS


Coupling

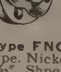

Extender

Couplings for extending shafts, or for ganging single units, even when shafts are not same diameter. Extenders for decreasing or increasing shaft diameter and for extending shaft length. 41 U 109 has ⅜" opening, ¼" shaft. Extenders, ⅝" shaft length; overall, 1⅛". Av. wt., 4 oz.

Brass	Insulated	Type	Size
41 U 105	41 U 111	Coupling	¼ to ¼"
41 U 108	41 U 113	Extender	¼ to ¼"
41 U 109	. . . .	Extender	⅜ to ¼"

Any of Above . . . . **Each** .18

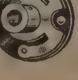
HAMMARLUND COUPLINGS



Type FC-46S. Sturdy, slip-proof insulated flexible coupling. 4 set screws (2 on each side). For ¼"-dia. shafts. Shaft clearance, 5/32". Flash voltage, 5000 v. Size, 1¼x1 3/16". 3 oz.
42 U 403 . . . . 1.50

Type FNC-46S. As above, but non-insulated type. Nickel-plated brass ring. 1¼" diameter x 23/32". Shpg. wt., 3 oz.
42 U 404 . . . . 1.20

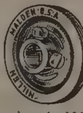
INSULATED COUPLING



Connects shafts to switches, controls, etc. Bakelite insulation. For ¼" shafts. With set-screws. 2 oz.
42 U 405 53

MILLEN COMPONEN

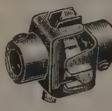
FLEXIBLE COUPL



Provide high flexibility, lash, high breakdown small diameter, accura ment. 39001 insulated slide-action type for shaft motion. 3900 torque) like 39001 bu sulated. 39016 (illus) molded as singl resist shock. All for ¼" shafts. 2 oz.

Stock No.	Type	Description
43 U 208	39001	Universal joint
43 U 212	39005	Universal joint
43 U 213	39006	Slide action
43 U 214	39016	Barrier

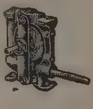
MINIATURIZED COUPLING



For limited space u M006 (illus.) is u joint style made o plated brass with ceramic insulati spring fingers. Typ is solid brass for ¼ M006 and M008 shafts. Av. shpg. w

Stock No.	Type	Description
43 U 205	M006	Univ. joint couplin
43 U 206	M008	Insul., brass insert
43 U 207	39003	Solid brass couplin

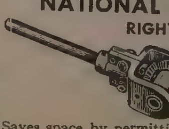
TYPE 10000 WORM



Offers 16-to-1 step-dow Rugged cast aluminum drilled for secure moun panel or chassis base. loaded split gears for action. ¼" left/righ shafts. 3x2x2⅜". 6 oz.
43 U 216 . . . .

NATIONAL FRONT-PANE

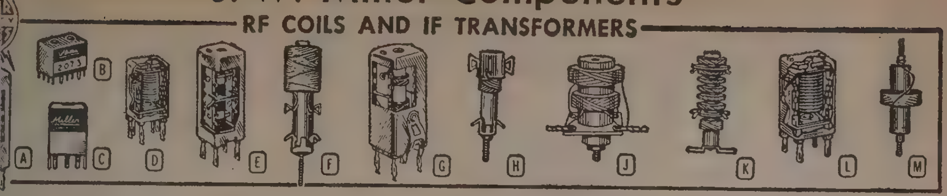
RIGHT-ANGLE DR



Type Front pa trol for capacito tentiom etc., at ri gles to Saves space by permitting greater free parts layout. May be used to drive tw Die-cast aluminum housing and gears. shaft. Shpg. wt., 6 oz.
42 U 173 . . . .

J. W. Miller Components

RF COILS AND IF TRANSFORMERS



NSISTOR IF TRANSFORMERS (FREQUENCY, 10.7 MC)

-quality IF, discriminator, and ratio ctor transformers for use in battery- l, transistorized FM receivers. Fre- 10.7 mc. *Indicates with diodes. With g hardware. Size, 2" high by ¾" square. g. wt., 4 oz.

o.	Type	Use	EA.
1	1601	1st IF Input	2.28
2	1602	2nd IF Intstage.	2.37
3	1603	3rd IF Output	2.37
4	1604	Discriminator	2.55
5	1605	Ratio Detector*	4.80
6	1606	Ratio Detector	2.25

miniature Style. Same specifications ove, but IF transformers are ½" high sq.; ratio detector, ½x13/32x¾".

o.	Type	Use	EA.
5	2070	1st IF Input	2.25
8	2071	2nd IF Intstage	2.25
9	2072	3rd IF Output	2.25
8	2073	Ratio Detector	2.70

NSISTOR IF TRANSFORMERS (FREQUENCY, 455 KC)

miniature Style. High-impedance ed primary winding coupled to low- ce secondary for optimum energy 2021 is matching oscillator. ⅝" high sq. Ohms column indicates primary/ y impedance. 3 oz.

o.	Type	Ohms	Use	EA.
2	9-C1	25K-600	Input	2.40
3	9-C2	25K-1000	Output	2.40
5	2021	(78 mmf tuning capac.)		2.10

NSISTOR IF TRANSFORMERS FREQUENCY, 455 KC)

ature Style. Similar to subminiature (left, below) but size is ¾" high by v. shpg. wt., 3 oz.

o.	Type	Ohms	Use	EACH
2	2031	10K-600	Input	2.52
3	2032	10K-1000	Output	2.52
6	2041	25K-600	Input	2.52
3	2042	25K-1000	Output	2.52

IATURE IF TRANSFORMERS

core, permeability tuned IF trans- ers. For experimental and general re- t use. Tunable powdered iron cores; om top and bottom of shield. *Built-in er capacitors. Size: ¾" sq. x2". With dware. Shpg. wt., 4 oz.

	Type	Freq.	Use	EACH
7	12-C1	455 kc	IF Input	1.62
3	12-C2	455 kc	IF Output	1.62
7	12-C6	455 kc	IF Output*	1.71
3	12-C9	455 kc	Input (AC-DC)	1.62
9	12-C10	455 kc	Output (AC-DC)	1.62
7	12-C12	455 kc	Tapped Pri.	1.95
0	12-C45	455 kc	Discriminator	2.70
9	12-H1	262 kc	IF Input	1.74
1	12-H2	262 kc	IF Output	1.74
3	12-H6	262 kc	IF Output*	1.80
1	13-W1	1500 kc	Input or Inter.	1.65
2	13-W2	1500 kc	IF Output	1.65
2	1463	10.7 mc	Input or Inter.	1.95
3	1464	10.7 mc	Discriminator	2.25
3	1464-WB	10.7 mc	Discriminator	2.25
4	1465	10.7 mc	Ratio Detect.	2.34
4	1465-WB	10.7 mc	Ratio Detect.	2.34
9	6203	4.5 mc	Input or Inter.	1.98
0	6204	4.5 mc	Discriminator	2.25
1	6205	4.5 mc	Ratio Detect.	2.25

STABILIZER (RINGING) COIL

6210. Has bakelite form with 7/16" ting clip. 16-42 mh range. Size, ¾x g. wt., 2 oz.
2............................1.65

MINIATURE IF PRINTED-CIRCUIT TRANSFORMERS

E For replacement and experimental use in receivers. Shell-core, permeability tuned. Tune from top and bottom of shield. ¾" sq. x 2". Supplied complete with mounting hardware. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Freq.	Use	EA.
61 U 359	13-PC1	455 kc	IF Input	1.65
61 U 360	13-PC2	455 kc	IF Output	1.65
61 U 364	13-PC9	455 kc	Input (AC-DC)	1.65
61 U 365	13-PC10	455 kc	Outpt. (AC-DC)	1.65
61 U 712	1463-PC	10.7 mc	Input or Inter.	1.95

"MINI MINIATURE" TRANSISTOR IF TRANSFORMERS (455 KC)

C Only ½" high by 13/32" sq. Same type of threaded tuning as microminiatures, above. For use with RCA 2N218 and 2N219 or 2N139 and 2N140 transistors. *Type 2065 matching oscillator requires tuning capacitor from 78 to 110 mfd max. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Impedance	Use	EA.
62 U 484	2066	50K-800 ohms	Input	2.10
62 U 485	2067	30K-500 ohms	Instage	2.10
62 U 486	2068	20K 5K ohms	Output	2.10
62 U 488	2065	Matching Oscillator*		2.10

MINIATURE "J-TRAN" TOP-TUNED IF TRANSFORMERS

G Units have hollow hexagonal-hole cores for either double or single-ended tuning. Mount by snap fastener. ¾x¾x2". Av. shpg. wt., 4 oz.

Stock No.	Type	Freq.	Use	EA.
61 U 954	14-C1	455 kc	IF Input	1.62
61 U 955	14-C2	455 kc	IF Output	1.62
62 U 467	14-C9	455 kc	Input (AC-DC)	1.62
62 U 468	14-C10	455 kc	Outpt. (AC-DC)	1.62
62 U 469	6270	4.5 mc	Input or Inter.	1.80

HORIZONTAL OSCILLATOR AND SYNC-STABILIZER COIL

Type 6183. (Not Illus.) Permeability tuned coil features dual windings for sync frequency and phase circuit. Has aluminum shield with 6-32 spade bolt mounting. Coil may be reversed in shield for top or bottom mounting. 1 7/16x1 1/16x2½". Shpg. wt., 5 oz.
61 U 089..............................2.10

TRANSISTOR OSCILLATOR COILS

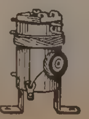
H **Type 2020.** Use in one transistor osc. circuit. For 365 mmf capacitor, 455 KC IF. ⅝x1⅛". Shpg. wt., 3 oz.
60 U 895..............................1.65

Type 2022. Similar to above, except for use with variable capacitor 78-100 mmf, maximum Shpg. wt., 3 oz.
60 U 974..............................1.65

J MIDGET OSCILLATOR COIL

Type 5480C. For use with pentagrid converter tubes. May be used with any of Miller's antenna and RF coils as well as for general replacement. When used with 365 mmf variable capacitor, covers 540-1600 kc. IF frequency, 455 kc. For use unshielded. Series pad, .0004 mfd. Only 1x1". Shpg. wt., 4 oz.
60 U 743..............................1.14

CAPACITY-OPERATED RELAY COIL



Type 695. For alarm systems, window displays and other capacity-operated devices. Consists of center-tapped oscillator winding with an adjustable grid coupling capacitor and an RF choke on a bakelite form. ⅞x2¼" high. Complete with wiring diagram. Shpg. wt., 4 oz.
61 U 057..............2.25

HORIZONTAL LINEARITY AND WIDTH CONTROLS

F Iron-core variable inductance coils for horizontal sweep circuits. Permit adjustments over a wide inductance range to obtain the proper match for best operating characteristics. *Has AGC winding. Mounting clip fits 5/16" hole; 7/16" hole with adapter supplied. Size, ¾x2½" long (maximum) on phenolic forms. Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Millihenries Range	EA.
61 U 093	6313	.5-5	1.32
61 U 094	6314	2.0-18	1.23
61 U 095	6315	4.0-30	1.32
61 U 098	6319	15.0-60	1.65
61 U 099	6322	1.5-10	1.23
61 U 100	6324	60-130 tapped	1.65
60 U 039	6325*	4.2-30 (.78-1.37 AGC)	1.65
60 U 046	6328*	9-24 (.19-1.1 ACG)	1.65
60 U 047	6329	2.2-10 tapped	1.50
60 U 049	6330	45-215	1.80
60 U 051	6195	.185-1	.99
60 U 052	6196	.054-.245	.84
60 U 053	6196A	.054-.5 tapped	.96
60 U 054	6197	.55-2.3 tapped	.96
60 U 056	6199A	1.3-4.1 tapped	1.02
60 U 057	6199B	.5-1.7	.99

HIGH-VOLTAGE RF POWER SUPPLY TRANSFORMERS

K **Type 4525.** RF power supply transformer for use in TV receivers, cathode ray oscilloscopes, etc. Provides voltage up to 5,000 v. DC. Size, 1¼" dia. x 3¾" high. 4 oz.
61 U 101..............................6.00

Type 4526. Provides voltage up to 10,000 v. DC (30,000 when used in a voltage rectifier-tripler circuit). Size, 2¼" diameter x 6" high. Shpg. wt., 4 oz.
61 U 102..............................9.00

MULTIPLEX INDUCTORS FOR STEREO FM TUNERS

L Designed for stereo multiplex FM tuners and receivers. Units provide necessary separation of AM modulated (L − R) suppressed carrier signal, L + R audio signal, and 19-kc pilot sub-carrier. Generate 38-kc signal and 19-kc pilot sub-carrier. Combine L − R signal into a suitable matrix with L + R signal in such a manner that L signal appears at one output terminal and R signal at another. Types 1356, 1357 and 1358 are for use in a newly designed circuit that eliminates the 19-kc oscillator and resulting sync problems; when used with an improved low-pass filter and detecting system, improved separation results. All are 1 7/32x¾" sq. Wt., 3 oz.

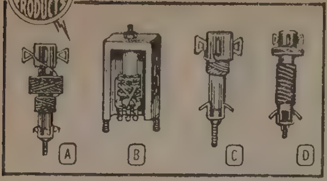
Stock No.	Type	Description	EA.
61 U 001	1352	Series Band Pass Filter	1.80
62 U 620	1352PC	Printed Circuit Type	1.80
61 U 003	1354	Locked Oscillator 19 kc	2.55
62 U 622	1354PC	Printed Circuit Type	1.95
61 U 004	1355	Output Trans. 38 kc	2.40
62 U 623	1355PC	Printed Circuit Type	2.25
60 U 058	1356	Output Trans. 19 kc	2.31
60 U 059	1357	Input Trans. 38 kc	2.25
60 U 061	1358	Low Pass Filter	2.40

VIDEO PEAKING COILS

M Engineered to assure proper bandwidth and wave shape of video signals. Highly recommended for replacement service. All coils listed in table are wound directly on plastic forms. Feature solid wire leads for fast, easy connection in circuit. Size, 3/16" diameter by ⅜" long. Av. shpg. wt., 2 oz.

Stock No.	Mfr's Type	μhys	EACH
61 U 104	6153	120	.57
60 U 062	6146	600	
60 U 063	6148	700	
60 U 064	6156	800	
60 U 065	6157	950	

RF Chokes, Adjustable Coils, Coil Winder



MINIATURE ADJUSTABLE RF COILS

A Variable-inductance RF coils. Use with tuning capacitors of 250 to 450 max. capacity. Type 70-OSC coil has tapped secondary. 70 series installed self-supported. 71-OSC has 2-tap primary. Both track 100 to 550 kc IF. Max. size: 5/8x1 1/2" high. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Use	KC Range	EACH
61 U 972	69-OSC	Osc.	540-1600	1.14
60 U 866	70-A	Ant.	540-1600	1.14
60 U 867	70-RF	RF	540-1600	1.14
60 U 868	70-OSC	Osc.	540-1600	1.14
60 U 869	71-OSC	Osc.	540-1600	1.65

UNIVERSAL REPLACEMENT COILS

B Compact, variable-inductance iron-core coils for replacement use. Shielded type. Use with 250-450 mmf variable capacitors. Oscillator coil has tapped secondary. 1 3/8x1 3/8x2 1/2". *IF range. Av. shpg. wt., 5 oz.

Stock No.	Mfr's Type	Use	KC Range	EACH
60 U 748	73-A	Ant.	500-1800	2.10
60 U 749	73-RF	RF	500-1800	
60 U 752	73-OSC	Osc.	100-550	

PRINTED-CIRCUIT RF CHOKES

C Air-core RF chokes specifically designed for printed circuits. Offer wide range of inductances for use in transmitters, receivers, and test equipment. All are varnish-impregnated to resist moisture. Have printed-circuit mounting lugs. Forms are 7/8" long. Maximum current rating: Types 970-978, 125 ma; 982, 984, 100 ma; 987, 75 ma; 994, 50 ma. Av. shpg. wt., 2 oz.

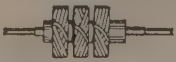
Stock No.	Mfr's Type	Mh	Ohms	Dia.	EACH
61 U 061	970	1	17.2	11/16"	.57
61 U 063	972	1.5	21.8	3/4"	.57
61 U 067	975	2.7	31.2	13/16"	.60
61 U 068	976	3.3	34.8	13/16"	.63
61 U 070	978	4.7	43.2	7/8"	.63
61 U 074	982	10	68	7/8"	.72
61 U 076	984	15	87.7	15/16"	.78
61 U 079	987	27	121	1 1/16"	.96
61 U 086	994	100	394	1 1/16"	1.32

HIGH "Q" BROADCAST RF COILS

D High-efficiency, unshielded, iron-core coils. Adjustable core. Range indicated obtained using 365 mmf variable capacitor. Mount in 1/4" hole. *Padder values shown for 455 kc IF. Size: 3/8x2". Shpg. wt., 4 oz.

Stock No.	Mfr's Type	Use	KC Range	EACH
64 U 398	A-5495-A	Antenna	550-1700	1.65
64 U 399	A-5495-RF	RF	550-1700	
64 U 400	A-5495-C	Std. Osc.	*400 mmf	
64 U 401	A-5496-C	Tap'd Osc.	*400 mmf	

MOISTURE-RESISTANT RF CHOKES



Single layer or 3-pi universal winding insures low distributed capacity. Low-loss molded phenolic or powdered iron core forms. Impregnated with moisture and fungus-resistant varnish. Operate into UHF region. Inductance tolerance ±20%. 1 1/2" leads. Phenolic form, 3/4x3/16" dia. Iron core, 7/8x7/32" dia. Av. wt., 2 oz.

PHENOLIC FORM—SINGLE LAYER

Stock No.	Mfr's Type	µhy	Q Min.	Min. Fo(Mc)	EACH
62 U 943	4580	.10	56	392	.45
62 U 944	4582	.15	64	348	
62 U 961	4584	.22	76	320	
63 U 823	4586	.33	80	295	
63 U 824	4588	.47	83	250	
63 U 825	4590	.68	90	218	
63 U 826	4592	.75	92	214	.45
63 U 827	4594	.84	89	206	
63 U 828	4602	1.00	46	186	
63 U 829	4604	1.50	49	156	
63 U 830	4606	2.40	50	123	
63 U 831	4608	3.90	56	94	
63 U 833	4609	5.50	56	82	.48
63 U 834	4610	6.20	53	77	
63 U 835	4611	8.20	53	68	
63 U 836	4612	10.0	53	61	

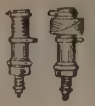
IRON CORE FORM—SINGLE LAYER

Stock No.	Mfr's Type	µhy	Q Min.	Min. Fo(Mc)	EACH
63 U 837	4622	10.0	56	39	.51
63 U 838	4624	15.0	46	30	.51
63 U 839	4626	24.0	40	25	.54
63 U 840	4628	39.0	74	20	.54
63 U 841	4629	55.0	71	17	.57
63 U 842	4630	62.0	69	16	
63 U 843	4631	82.0	72	15	
63 U 844	4632	100.0	64	12	

PHENOLIC FORM—3-SECTION

Stock No.	Mfr's Type	µhy	Q Min.	Min. Fo(Mc)	EACH
63 U 845	4642	100	51	8.8	.57
63 U 846	4644	150	54	7.8	
63 U 850	4646	240	52	6.0	
63 U 851	4648	390	56	4.7	.63
63 U 853	4649	550	52	3.7	
63 U 854	4650	620	56	3.6	
63 U 855	4651	750	53	3.2	
63 U 856	4652	1000	52	2.5	

ADJUSTABLE CERAMIC RF



Silicone-impregnated
forms. Powdered i
With mtg. hardwar
ard: Form size, 3/8"
and 1 1/16" long; mou
hole. **Miniature**
mounts in 3/16" hole. **S**
ture: 3/16"x5/8"; 11/64"

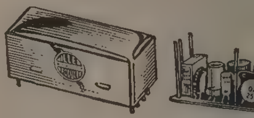
STANDARD

Stock No.	Mfr's Type	Min. µh	Max. µh
60 U 982	4400	Form only	
60 U 983	4403	0.9	1.6
60 U 984	4404	1.5	3.2
60 U 985	4405	3.1	6.8
60 U 986	4406	6.7	15
60 U 987	4407	14.8	31
60 U 988	4408	30	69
60 U 989	4409	68	130
60 U 990	4410	126	250
60 U 991	4411	245	475
60 U 992	4412	450	800
60 U 993	4413	750	1400

MINIATURE

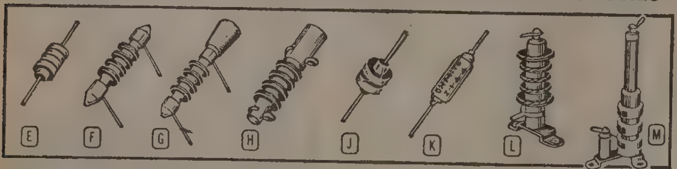
Stock No.	Mfr's Type	Min. µh	Max. µh
60 U 870	4500	Form only	
60 U 871	4502	1.0	1.6
60 U 872	4503	1.6	2.8
60 U 873	4504	2.8	5
60 U 874	4505	5	9
60 U 875	4506	9	16
60 U 876	4507	16	24
60 U 877	4508	24	35
60 U 878	4509	35	60
60 U 879	4511	60	120
60 U 880	4512	110	200
60 U 881	4513	190	330

PRE-PACKAGED AND PRE-T
455-KC IF STRIP



Complete 455-kc IF strip simplifies
tion of many projects. Offers excel
(55 db) and selectivity (6 db down
Consists of a Miller Type 8901 Inpu
ing Transformer and 8902 IF Strip mo
one board. Total of 21 components on
including mechanical filter, two tran
amplifiers and diode detector that
earphones. No alignment required.
1/2x1 1/2". Shpg. wt., 3 oz.
60 U 099. . . . .

NATIONAL AND OHMITE GENERAL-PURPOSE RF CHOKES



R-175A for transmitters with plate supply up to 3000 volts modulated or 4000 volts unmodulated. For all bands from 80 through 6 meters. R-154U for 20 to 80-meter transmitters. R-33 types have 2 sections; R-50 types, 3 or 4 sections. †Vertical mtg. ‡Microhenries.

NATIONAL CHOKES

Stock No.	Type	Fig.	Mh	Ma	Ohms	EA.
61 U 115	R-33	J	11†	350	1.8	.36
61 U 116	R-33	J	50†	225	3.5	.36
61 U 117	R-33	J	100†	200	5.0	.36
61 U 118	R-33	J	750†	125	16	.36
61 U 119	R-50	E	0.5	150	15	.42
61 U 160	R-50	E	1.0	135	23	.42
61 U 161	R-50	E	2.5	125	38	.42
61 U 162	R-50	E	10.0	115	36	.72
61 U 168	R-60	E	2†	1500	.06	.29
61 U 169	R-60	E	4†	700	.15	.29
61 U 301	R-100	F	2.5	115	44	.57
61 U 367	R-100	F	10.0	60	180	1.12
61 U 368	†R-100U	G	2.5	115	44	.74
61 U 495	†R-100S	H	2.5	115	44	.99

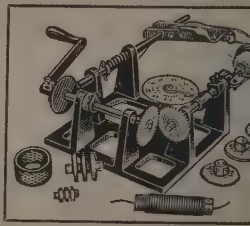
NATIONAL CHOKES (Cont'd)

Stock No.	Type	Fig.	Mh	Ma	Ohms	EACH
61 U 497	†R-100S	H	10.0	60	130	1.49
61 U 503	R-154U	L	1.0	600	6.0	2.01
61 U 504	R-175A	M	145	800	5.0	4.46
61 U 505	R-300	F	0.5	400	7.0	.57
61 U 506	R-300	F	1.0	400	11	.57
61 U 507	R-300	F	2.5	375	17	.74
61 U 508	R-300	F	5.0	325	24	.90
61 U 511	†R-300U	G	2.5	375	17	.92
61 U 514	†R-300S	H	1.0	400	11	1.00

OHMITE CHOKES

Stock No.	Type	Fig.	µh	Ma	Mc	EACH
61 U 548	Z-460	K	0.2	1000	320-520	.43
61 U 549	Z-235	K	0.84	1000	160-350	.43
61 U 550	Z-144	K	1.8	1000	80-200	.43
61 U 551	Z-50	K	7.0	1000	35-110	.46
61 U 552	*Z-28	....	21	600	20-60	.57
61 U 553	*Z-14	....	44	600	7-35	.68
61 U 554	*Z-7	....	84	1000	3-20	1.37

MORRIS "COILMASTE
COIL WINDER

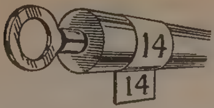


- Produces Self-Supporting, Unive
  and Honeycomb Coils
- Can be Used With #22 to #40 V

Accurate, easy-to-use hand-operated c
er produces self-supporting, univer
honeycomb coils, plus solenoids, sin
coils, etc. It's a big time-saver and gi
work a professional appearance. I
counts number of coil turns. Easily ad
for pi-spacing and various diameter co
Extremely versatile, it accepts No. 22
No. 40 wire. 3 cam and 4 gears permit
virtually all types of coils. Wire and c
not included. With instructions. B
5x5". Shpg. wt., 4 lbs.
61 U 053. . . . .

Wire and Cable, Accessories

ADY WIRE MARKERS



xing, preprinted ½″ long for permanent 'round-the-entification of wires and nder 0.150″. Provide posi-ing of circuits, panels, as-—speed hook-up and re-minate tracing and expensive errors. Adhesive sticks to ny kind of insulation, even teflon. Resist heat (to 250°F), r solvents. Fade-proof inks. Super-thin for confined areas. in cards of consecutive numbers or letters. Shpg. wt., 1 oz.

.	Description	Markers per Card	PER CARD
5	Consecutive numbers 0-49	150	.30
7	Consecutive numbers 50-99	150	
3	Consecutive numbers 100-132	99	
9	Consecutive numbers 133-165	99	
0	Consecutive numbers 166-198	99	
5	Consecutive letters A-Z	26	.23

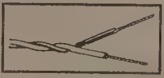
TALK-A-PHONE INTERCOM CABLE

rconnecting Talk-A-Phones. To determine cable needed, from 1st to 2nd station only, 2nd to 3rd only, etc. Add for o not connect last station to 1st. Type 6303 is shielded. 26, 6214, 6202, 6210 and 6206 have paired conductors.

r's	Lbs.	60′ Roll		100′ Roll		200′ Roll	
pe	100′	Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
03	3	48 U 061	1.79	48 U 059	3.26	48 U 060	6.05
03	4	48 U 062	2.38	48 U 065	4.34	48 U 066	8.03
06	3½	48 U 063	4.44	48 U 067	8.16	48 U 068	15.20
26	11	48 U 480	15.80	48 U 481X	29.15	48 U 482X	54.00
14	4	48 U 027	8.10	48 U 075	14.95	48 U 174X	27.80
02	4	48 U 483	2.13	48 U 484	3.88	48 U 485	7.18
11	12	48 U 064	8.10	48 U 073X	14.59	48 U 074X	27.80
02	3	48 U 346	1.29	48 U 358	2.34	48 U 375	4.33
10	4	48 U 568	8.10	48 U 569	14.83	48 U 575	27.80
06	3½	48 U 580	4.79	48 U 587	8.77	48 U 594	16.70

CONSOLIDATED CABLE AND WIRE

STEREO PHONO PICKUP CABLES



No. 32 stranded (7x40) tinned cop-uctor with .009″ vinyl insulation. 78 is unshielded; Type 1479 has inned copper shield around con-Av. shpg. wt., 1 lb.

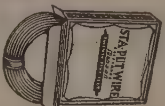
UNSHIELDED WIRE

nd.	10-Ft. Spool		25-Ft. Spool		250-Ft. Spool	
	Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
	48 U 523	.32	48 U 524	.44	48 U 525	3.00

SHIELDED WIRE

	48 U 535	.45	48 U 536	.83	48 U 537	6.00

PUSH-BACK HOOKUP WIRE



ble and durable No. 20 pure cop-Special insulation easily pushed convenience in soldering. Avail-olid and stranded types. Double-vered with paraffin-treated, damp-id. Shpg. wts.: 25 ft., 4 oz.; 100

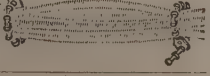
STRANDED TYPE, 10x30

Red	Black	Yellow	Blue	Green	EACH
8 U 442	48 U 440	48 U 444	48 U 441	48 U 443	.36
8 U 447	48 U 445	48 U 449	48 U 446	48 U 448	1.29

SOLID TYPE

8 U 472	48 U 470	48 U 474	48 U 471	48 U 473	.34
8 U 477	48 U 475	48 U 479	48 U 476	48 U 478	1.26

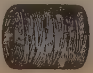
G-C CABLE TIES



ectric polyethylene with reaking-point. Withstand res to +120°F. Each is 4 oz. 100 Per Pkg.

No.	Type	Color	PKG. OF 100
82	34-432	Red	1.11
83	34-440	Blue	
84	34-436	Yellow	

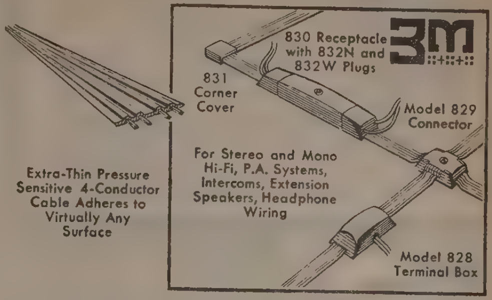
H. SMITH CABLE LACING CORD



st, 8-ply natural-color twine for harness re flax; waxed; mildew-proof. 50-lb. test.
Type 738. 235-yd. roll. ¾ lb. 1.68
Type 739. 470-yd. roll. 1¼ lbs. 3.18

MINNESOTA MINING SCOTCHFLEX FLAT CABLE

FOR FAST HI-FI, OTHER AUDIO HOOK-UPS


830 Receptacle with 832N and 832W Plugs
3M
831 Corner Cover
Model 829 Connector
For Stereo and Mono Hi-Fi, P.A. Systems, Intercoms, Extension Speakers, Headphone Wiring
Extra-Thin Pressure Sensitive 4-Conductor Cable Adheres to Virtually Any Surface
Model 828 Terminal Box

You can hook up your audio system fast, easily, neater than ever before. Type 800 flat cable has two paired, stranded conductors—adhesive back sticks firmly to wall, molding, ceiling, floor or virtually any other surface. Type 729 has U terminals which pierce insulation for perfect connections. Type 728 houses two sets of screw terminals. Use of E14 roller assures complete contact of adhesive to supporting surface. Ivory-colored cable with handsome gray plastic accessory units blend into any decor.

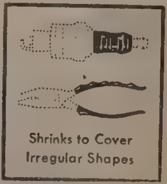
Stock No.	Type	Description	Shpg. Wt.	Quantity	NET
49 U 966	800	4-cond. cable	1½ lbs.	100-ft. roll	9.45
49 U 967	828	Terminals	7 oz.	box of 10	12.20
49 U 968	829	Connectors	3 oz.	box of 10	7.20
49 U 969	830	Receptacles	10 oz.	box of 10	8.40
49 U 970	832W	Wide plugs	3 oz.	box of 10	3.50
49 U 971	832N	Narrow plugs	3 oz.	box of 10	3.50
49 U 964	831	Corner covers	2 oz.	box of 10	1.10
49 U 965	E14	Hand roller	10 oz	box of one	1.89

ALPHLEX PVC-105 PLASTIC TUBING (Specify Color)

Highly flexible polyvinyl chloride tubing in 25-ft. coils. For general electronic and aircraft use in temperatures from —20°C to +105°C. Rated at 800 volts; resistance is over 1 million megs. Tensile strength, 2700-3300 psi. **Colors: clear, black, red—specify color desired.** Av. shpg. wt., 3 oz.

Size	Nom. I.D.	Stock No.	100′ COIL	Size	Nom. I.D.	Stock No.	100′ COIL
24	.022″	49 U 269 C	2.43	12	.085″	49 U 275 C	3.07
22	.027″	49 U 270 C	2.44	10	.106″	49 U 281 C	3.27
20	.034″	49 U 271 C	2.49	8	.133″	49 U 282 C	4.51
18	.042″	49 U 272 C	2.58	6	.166″	49 U 283 C	5.19
16	.053″	49 U 273 C	2.72	4	.208″	49 U 284 C	6.00
14	.066″	49 U 274 C	2.89	2	.263″	49 U 285 C	6.91

ALPHLEX HEAT-SHRINKABLE FLEXIBLE TUBING

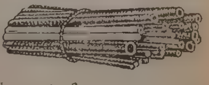


Shrinks to Cover Irregular Shapes

Type PVC FIT-105-MS-1 Assortment. Irradiated polyvinylchloride. Provides snug, flexible insulation for cable jacketing, cable markers. Use as insulation over splices. Supplied at "Min. I.D." size; shrinks to "Recov. I.D." in only 7 seconds when heated to 325°F. Black. Includes 10 tubes, each 6″ long, from 3/64″ through ¼″. Dia. 8 oz.
48 U 658 . . . . 4.00

BIRNBACH VARNISHED SPAGHETTI TUBING

ASSORTED 9″ LENGTHS



Highly popular with servicemen, experimenters and builders. A convenient assortment of 25 pieces of vinyl and cambric spaghetti tubing in a wide variety of colors and diameters. Permits quick, easy coding of wiring. Shpg. wt., 3 oz.
49 U 220. 25-Piece Assortment . . . . 29¢

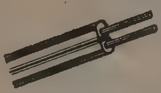
SELECTION OF 36″ LENGTHS

5 lengths to a package. 4,000 v. dielectric. Av. shpg. wt., 2 oz.

For Wire Size	Stock No.				Per Pkg.	5 or More Pkgs., Per Pkg.
	Black	Yellow	Red	Green		
20	49 U 164	49 U 165	49 U 166	49 U 167	.75	.68
18	49 U 169	49 U 170	49 U 171	49 U 172	.79	.72
16	49 U 174	49 U 175	49 U 176	49 U 177	.83	.75
10	49 U 189	49 U 190	. . . .	. . . .	1.03	.93

knight Wire and Cable

POSJ AND POT LAMP CORD



Two parallel No. 18 stranded copper wires. Jackets are polarity ribbed. U.L. Listed. Available in standard 25′ and 100′ lengths—**specify length.** Shpg. wt., per 100′, 3 lbs.

Type	Jacket	Color	U.L. Type	25′ Spool		100′ Spool	
				Stock No.	EA.	Stock No.	EA.
POSJ	Rubber	Brown	SP-1	47 U 983	1.01	47 U 984	3.03
POSJ	Rubber	Black	SP-1	47 U 998	1.01	47 U 999	3.03
POT	Vinyl	Brown	SPT-1	47 U 988	.87	47 U 989	2.40
POT	Vinyl	Black	SPT-1	47 U 978	.87	47 U 979	2.40
POT	Vinyl	Gray	SPT-1	48 U 275	.87	48 U 289	2.40
POT	Vinyl	White	SPT-1	47 U 993	.87	47 U 994	2.40

"JUKE BOX" SPEAKER CABLE

Two parallel conductors of No. 24, 7x32 stranded wire—1 tinned, 1 bare. Vinyl inner insulation and vinyl jacket. O.D., .058x.115″. **In choice of gray or clear—specify color desired.** Shpg. wt., per 100′, 10 oz.

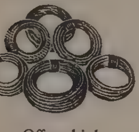
49 U 905 C. 25-ft. Spool	.56	**49 U 906 C.** 50-ft. Spool	.69
49 U 912 C. 100-ft. Spool	.82	**49 U 913 C.** 500-ft. Spool	3.95
49 U 919 C. 1000-ft. Spool	7.80		

THERMOPLASTIC HOOK-UP WIRE

Type MW heavy-duty, thermoplastic-insulated hook-up wire. Rated 1000 volts rms at 80°C. Tinned copper conductor with polyvinylchlori insulation; wall thickness. .016″. **In choice of brown, red, orange, yellow, green, white, black, gray, violet or blue—specify color.** Av. shpg. wt., 25′ spool, 6 oz.; 100′ spool, 1 lb.

Size	Strands	Nom. O.D.	25′ Spool		100′ Spool	
			Stock No.	EACH	Stock No.	EACH
#22	7x30	.056″	49 U 723 C	.48	49 U 724 C	.97
#22	solid	.051″	....	......	49 U 735 C	.77
#20	10x30	.064″	49 U 726 C	.54	49 U 727 C	1.11
#20	solid	.058″	....	......	48 U 737 C	.94
#18	16x30	.075″	49 U 729 C	.60	49 U 730 C	1.39
#16	26x30	.091″	49 U 732 C	.66	49 U 733 C	1.80

ASSORTED HOOK-UP WIRE



Flexible stranded copper wire—some tinned and some untinned. In assorted gauges, colors and types of insulation. A host of uses in chassis and subchassis wiring of radio and TV receivers, transmitters, high-fidelity and public-address equipment, kit building, etc. Resistant to heat and moisture. Offers high conductivity with negligible loss.

49 U 344. Six 25-ft. Coils. Shpg. wt., 1 lb.	Per Pkg. .84
49 U 345. Five 100-ft. Coils. Shpg. wt., 2½ lbs.	Per Pkg. 2.42

FLEXIBLE TEST-PROD WIRE

Limp, rubber-covered wire ideal for test leads. Designed to withstand extremely high voltages; puncture test voltage, 20,000 volts. Insulation thickness, .046″. No. 20 conductor is 41x36 stranded. O.D., .137″. **Choice of red or black in 100′ spools only.** Wt., 2 lbs.

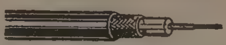
49 U 474. Red. 100-ft. Spool	Each 2.17
49 U 475. Black. 100-ft. Spool	Each 2.17

RUBBER-JACKETED SERVICE CORD

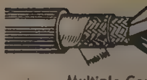
Quality-made, rubber-sheathed service cord. Stranded copper conductors have rubber insulation with black rubber jackets. Excellent for a wide variety of applications, including household appliances, garden and power tools, or wherever rough-usage extension cords are required. All types are U.L. Listed and have maximum voltage ratings of 300 volts except types S #14 and S #10, 600 volts. Current capacity in amps: SV #18 and SJ #18, 5 amps; SJ #16 (2 and 3 cond. types), 7 amps; S #14, 15 amps; S #10, 25 amps. Available in standard 25′, 50′ and 100′ spools only—**specify spool length desired.** Av. shpg. wt., 100′ spool, 3 lbs.

U.L. Type	Size	No. Cond.	O.D.	25′ Spool		50′ Spool		100′ Spool	
				Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
SV	#18	2	.250″	48 U 336	1.56	48 U 337	2.64	48 U 349	4.75
SJ	#16	2	.340″	48 U 353	2.03	48 U 354	3.70	48 U 361	7.30
SJ	#18	3	.345″	48 U 380	2.84	48 U 381	4.46	48 U 382	7.71
SJ	#16	3	.375″	48 U 384	3.00	48 U 438	5.27	48 U 450	9.72
S	#14	3	.560″	48 U 628	7.25	48 U 629	14.00	48 U 630	29.13
S	#10	3	.690″	48 U 631	9.72	48 U 632	19.04	48 U 633	34.68

MICROPHONE CABLE



Single-Conductor



Multiple-Co

Plastic and rubber-jacketed mike cable with tinned, stra
per conductors. All have tinned copper braided shie
*tinned copper spiral shield. Plastic-jacketed types ha
insulation and rubber-jacketed types, rubber insulation.
conductor types are color coded. Single-conductor type is
suitable for lapel or lavalier mikes; 2-conductor types,
impedance mikes; 6-conductor type, for power supply
shpg. wt.: 25′ spool, 1 lb.; 100′ spool, 6 lbs.

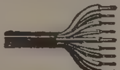
PLASTIC JACKET

No. Cond.	Size	O.D.	WV DC	25′ Spool		50′ Spool		100
				Stock No.	EA.	Stock No.	EA.	Sto N
1*	#22	.155″	2500	49 U 420	1.17	49 U 421	2.24	49 U
2	#22	.231″	600	49 U 423	2.04	49 U 424	3.44	49 U

RUBBER JACKET

No. Cond.	Size	O.D.	WV DC	100′ Spool		250′ Spool		500′
				Stock No.	EA.	Stock No.	EA.	Stoc No.
2	#20	.268″	600	49 U 427	9.19	49 U 428	21.41	49 U 4
6	#20	.349″	600	49 U 430	16.83	49 U 431	43.06	...

MULTIPLE-CONDUCTOR INTERCOM CABLE (Not P



Quality plastic-jacketed cable with
non-paired, plastic insulated conduc
cellent for permanent installation
ers, control and intercom circuits, a
applications requiring a highly
lightweight cable. Conductors are
stranded copper wire; all are col

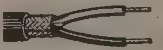
No. Cond.	O.D.	Shpg. Wt. 100 ft.	25′ Spool		50′ Spool		100
			Stock No.	EA.	Stock No.	EA.	Stoc No
3	.150″	2 lbs.	49 U 850	1.00	49 U 851	1.56	49 U
4	.168″	2¼ lbs.	49 U 852	1.17	49 U 853	2.16	49 U
5	.180″	2½ lbs.	49 U 855	1.23	49 U 856	2.31	49 U
6	.190″	3 lbs.	49 U 858	1.79	49 U 859	3.08	49 U
8	.195″	3¼ lbs.	49 U 861	2.07	49 U 862	3.47	49 U

PAIRED UNSHIELDED INTERCOM CABLE (JACKE

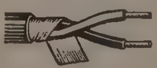
For intercom and telephone wiring
coded conductors are No. 22 solid
cabled in twisted pairs with high-
plastic jacket overall.

No. Cond.	O.D.	Shpg. Wt. 100′	25′ Spool		50′ Spool		100′
			Stock No.	EA.	Stock No.	EA.	Stoc No
2 (1 pr.)	.150″	1½ lbs.	49 U 863	.67	49 U 864	1.03	49 U
6 (3 pr.)	.240″	3½ lbs.	49 U 865	1.93	49 U 866	3.23	49 U
8 (4 pr.)	.255″	4 lbs.	49 U 868	1.97	49 U 869	2.93	48 U

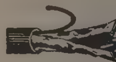
SHIELDED PLASTIC INTERCOM CABLE



A



B



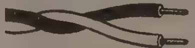
C

Two-conductor shielded cable for intercoms, sound a
systems. All have plastic jackets with color-coded conduct
A indicates tinned copper shield; Fig. B, spiral-type tinne
shield; Fig. C, aluminum-wrapped shield with ground wir

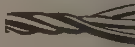
Size	O.D.	Fig.	Shpg. Wt. 100′	25′ Spool		50′ Spool		100′
				Stock No.	EA.	Stock No.	EA.	Stoc No.
#22	.170″	A	4 lbs.	49 U 876	1.84	49 U 877	3.24	49 U 8
#22	.167″	C	1½ lbs.	49 U 879	1.67	49 U 880	2.47	49 U 4
#20	.184″	C	3 lbs.	49 U 881	1.92	49 U 467	2.84	49 U 4
#20	.195″	B	3½ lbs.	49 U 882	1.84	49 U 438	2.59	49 U 4
#22	.170″	B	3 lbs.	49 U 883	1.50	49 U 432	2.17	49 U 4

PAIRED UNSHIELDED INTERCOM CABLE (UNJACKE

D



E

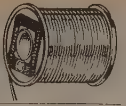


For speakers, alarm systems and other electronic appli
Conductors are No. 22 solid copper, plastic insulated and ind
ly color-coded. Av. shpg. wt., 100′ spool, 1¼ lbs.

No. Cond.	O.D.	Fig.	25′ Spool		50′ Spool		100′
			Stock No.	EA.	Stock No.	EA.	Stock No.
2 (1 pair)	.112″	D	49 U 870	.80	49 U 871	.95	49 U 4
3 (twisted)	.132″	E	49 U 872	1.02	49 U 873	1.41	49 U 8

Wire and Cable by *knight*

AIN ENAMELED MAGNET WIRE



-insulated, soft-drawn copper wire. Espe-
anufactured for all types of coil winding
ions—transformers, RF coils, chokes, etc.
s are standard B&S gauge. **Available in**
ools only. Av. shpg. wt., 14 oz.

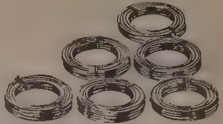
e	Feet	Stock No.	PER SPOOL
	6410	47 U 885	1.20
	4042	47 U 792	1.17
	2543	47 U 709	1.08
	1602	47 U 708	.99
	1013	47 U 707	.92
	640	47 U 695	.89
	402	49 U 884	.86
	253	49 U 885	.85
	159	47 U 581	.83
	101	47 U 569	.82
	63	47 U 562	.80

HEAVY FORMVAR MAGNET WIRE

magnet wire covered with Formvar; a tough, abrasion-
film. Stable dielectric is maintained under cumulative
nd aging effects of heat—does not fail after two hours at
Resists acid and alkali, impervious to effects of petroleum
Infinite moisture resistance. Takes little winding space.
s enamel, paper, cotton, silk, double cotton and double silk.
e in ½-lb. spools only. Av. shpg. wt., 9 oz.

e	Feet	Stock No.	PER SPOOL
	630	48 U 813	1.05
	396	48 U 811	1.00
	250	48 U 809	.97
	150	48 U 807	.96
	100	48 U 805	.96

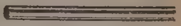
ASSORTED AUTOMOTIVE PRIMARY WIRE



Handy assortment of primary wire for the auto and boating enthusiast. Package includes six 25-foot coils of stranded No. 14 and No. 16 gauge wire in a variety of colors. Tough, colorful outer insulation permits quick identification of wiring systems and adds distinction to engine appearance—resists flame, oil, gasoline, grease, acid, fungus, moisture absorption, and most solvents. Has high temperature stability; remains flexible at low temperatures. Automotive wiring applications include: horn button, radio, headlights, tail lights, stop lights, gas gauges or gas gauge to coil, cigar lighter, heater, starter to generator or switch. Shpg. wt., 1½ lbs.

49 U 875. Six 25-ft. Coils .... **Per Pkg. 3.19**

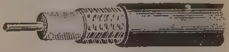
TINNED BUS-BAR WIRE



Finest quality, soft-drawn solid copper wire. Tinned for easy soldering. Well suited for making non-insulated hook-ups in all types of electronic equipment. Excellent choice for grounding and tie-in circuits in high-fidelity and P.A. amplifiers. 18-gauge and 20-gauge types suitable for shortwave antennas.

Size	O. D.	100′ Spool			1000′ Spool		
		Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH
#26	.016	47 U 059	2	.56	47 U 053	8	2.94
#24	.020	49 U 183	2	.56	49 U 149	13	3.23
#22	.025″	49 U 168	5 oz.	.57	49 U 159	2	3.66
#20	.032″	49 U 173	6 oz.	.65	49 U 161	3½	4.29
#18	.040″	49 U 178	6	.80	49 U 163	5	5.78

75-OHM LOW-LOSS FOAM-TYPE COAXIAL CABLE FOR COLOR TV



-Type. Recommended by manufacturers as best antenna
or color TV. Impedance, 75 ohms. Moisture resistant—
n dielectric keeps moisture out, reduces signal loss by 35%,
res better picture quality. Ends strip quickly for connection
ntenna and set. Suitable for Amateur and Citizens Band
applications. Use Series TNC, BNC, BN, C, UHF, N, and push-on connectors. Per 100 ft., 4 lbs.

49 U 363 50-Ft. **3.08**
49 U 352 100-Ft. .... **5.39** **49 U 353 500-Ft.** **21.25**

LOW-LOSS FOAM-TYPE RG COAXIAL CABLE

nstruction for extremely low loss. Features cellular poly-
inner dielectric which reduces signal attenuation by as
35% over standard RG coax. Excellent choice for use in
ity TV installations, and many other UHF and VHF trans-
mitting and receiving applications. Type RG-8/U uses series N, C, HN and UHF-type connectors; Type RG-58/U uses series TNC, BNC, BN, C, UHF, N and push-on connectors. Both types listed have bare copper conductor.

	Imp. Ohms	Conductor	O. D.	Mmf Per Ft.	Lbs. Per 100′	50′ Spool		100′ Spool		500′ Spool		1000′ Spool	
						Stock No.	EA.	Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
	50	13 (7x21)	.405″	26.0	10½	49 U 354	6.16	49 U 342 X	11.55	49 U 343 X	50.82	49 U 346 X	100.10
U	53.5	20 solid	.195″	28.5	3	49 U 357	2.88	49 U 347	6.01	49 U 348	20.40	49 U 349 X	40.04

STANDARD RG HIGH-FREQUENCY COAXIAL CABLE

high-quality coaxial cable for RF transmission line, antenna
test equipment leads, and similar communications uses.
an efficient, low-loss, polyethylene inner dielectric. Outer
ackets are virtually impervious to acids, alkalis, oils,
s, humidity and weathering effects—suitable for burial.
RG-8/U and RG-11/U types are for series N, C, HN and UHF connectors; RG-58/U and RG-59/U are for series TNC, BNC, BN, C, UHF, N and push-on connectors. RG-8/U and RG-58/U have bare copper conductors. RG-11/U has tinned copper conductor. RG-59/U has bare copperweld conductor.

	Imp. Ohms	Conductor	O. D.	Mmf Per Ft.	Lbs. Per 100′	25′ Spool		50′ Spool		100′ Spool		500′ Spool	
						Stock No.	EA.	Stock No.	EA.	Stock No.	EA.	Stock No.	EA.
	50	13 (7x21)	.405″	29.5	10½	49 U 886	3.99	49 U 887	6.07	49 U 300	9.86	49 U 301	46.97
J	75	18 (7x26)	.405″	20.5	10	49 U 888	3.99	49 U 889	6.10	49 U 303	9.24	49 U 304	43.89
J	53.5	20 solid	.195″	28.5	3	49 U 894	1.39	49 U 897	2.31	49 U 307	3.85	49 U 308	16.17
J	73	22 solid	.242″	21.0	4	49 U 848	1.69	49 U 849	2.70	49 U 310	4.31	49 U 311	19 25

7 MM IGNITION WIRE

designed for spark plug connections. Single conductor
tranded copper with high dielectric insulation. Available
choice of two types: select the black neoprene jacket for
perating conditions in automobiles, boats and trucks;
ear polyvinylchloride insulation for standard duty use on
all cars, boats and trucks. The clear jacket also provides a "dress up" appearance for the motor in "Hot Rods," racing cars, and custom motors. Available in 50, 100 and 500-ft. spools. Shpg. wts.: 50 foot spools, 2 lbs.; 100-foot spools, 4 lbs.; 500-foot spools, 9 lbs.

ulation	Conductor		O. D.	Wall Size		Color	50′ Spool		100′ Spool		500′ Spool	
	Size	Strands		Inner	Outer		Stock No.	EACH	Stock No.	EACH	Stock No.	EACH
and Neoprene	#16	19x29	.276″	.075″	.032″	Black	48 U 601	4.47	48 U 603	7.32	48 U 514	36.19
lchloride	#16	19x29	.276″	.109″	....	Clear	48 U 602	4.47	48 U 513	7.12	48 U 515	32.19

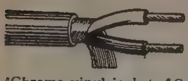
AUTOMOTIVE AND MARINE WIRE

lly designed for electrical connections in autos, trucks,
s. Single conductor, stranded bare copper primary wire
r-coded polyvinylchloride insulation. Resists the damaging effects of flame, oil, gasoline, grease, acid and fungus. Also impervious to the deterioration caused by most solvents.

uctor Strands	O. D.	Wall Size	Color	Lbs. Per 100′	50′ Spool		100′ Spool		500′ Spool	
					Stock No.	EACH	Stock No.	EACH	Stock No.	EACH
19x29	.102″	.102″	Black	1¼	48 U 604	1.40	48 U 615	1.99	48 U 608	9.63
19x27	.123″	.023″	Green	2	48 U 605	1.80	48 U 616	2.60	48 U 619	12.92
19x25	.147″	.026″	Red	3	48 U 606	2.14	48 U 617	3.59	48 U 620	17.73
19x23	.183″	.031″	White	4¼	48 U 607	3.08	48 U 618	5.13	48 U 621 X	25.39

Belden Sound System and Intercom Cable

TWO AND THREE-CONDUCTOR SHIELDED CABLE



Variety of gauges, insulations, shieldings and jackets for PA and intercom use. All types listed in table below have tinned copper conductors. *Polyethylene insulated conductors, aluminum "Mylar" wrapped shield, stranded tinned copper ground wire. #Chrome vinyl jacket. §Spiral-wrapped tinned shield. ‡Braided tinned shield as jacket. †Vinyl insulated conductors. Type 8641, No. 24 stranded conductors (7x32). No. 22 stranded: 8735, 8761, 8771 (7x30). No. 20 stranded: 8762, 8772 (7x28). No. 18 stranded: 8760, 8770 (16x30); No. 18 solid: 8799 No. 22 solid: 8731 No. 16 stranded: 8779, 8780 (19x29). **Specify Stock No. and Mfr's Type.** Av. shpg. wt., 100 ft., 3½ lbs.

Mfr's Type	Cond.	O. D.	100′ SPOOL		500′ SPOOL	
			Stock No.	EACH	Stock No.	EACH
8208#	2	.255″	47 U 555	6.40	47 U 315 X	27.50
8641	2	.160″	47 U 676	3.15	47 U 677	12.55
8731*#§	3	.178″	....	......	47 U 559	15.38
8735†‡	3	.199″	47 U 563	4.65	47 U 565	20.75
8760*#	2	.222″	....	......	47 U 398	19.05
8761*#	2	.167″	....	......	47 U 568	12.98
8762*#	2	.196″	47 U 575	3.75	47 U 577	16.20
8770*#	3	.236″	....	......	47 U 401 U	25.50
8771*#	3	.175″	....	......	47 U 442	16.20
8772*#	3	.200″	....	......	47 U 489	20.25
8779†‡	2	.225″	....	......	47 U 428	26.68
8780†§‡	2	.266″	....	......	47 U 430 X	29.25
8790†#§	2	.231″	47 U 572	4.80	47 U 573 U	21.60

TWO AND THREE-CONDUCTOR UNSHIELDED CABLE

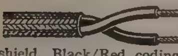
High-quality cable for PA and intercom installations, speaker extensions, alarm systems, etc. High insulation resistance. Have vinyl insulated, untinned conductors, except † and § which are tinned. All have outer jackets of chrome vinyl, except 8794 which has rose-gray vinyl jacket and 8481, 8482, 8460, and 8470 which are twisted pair types without jacket. 8483 is cabled and without jacket. *Solid copper conductors. †Stranded (10x30). §Stranded (19x29). **Be certain to specify both Stock No. and Mfr's Type when ordering.**

Mfr's Type	Cond. & AWG	O. D.	Lbs., 100 ft.	Mfr's Type	Cond. & AWG	O. D.	Lbs., 100 ft.
8481*	2-22	.112″	1	8487*	3-19	.180″	2½
8794*	3-22	.168″	1½	8460†	2-18	.175″	1
8205‡	2-20	.190″	1½	8461†	2-18	.226″	3
8482*	2-19	.130″	1½	8470§	2-16	.195″	2¾
8483*	3-19	.132″	1¼	8471§	2-16	.256″	4
8486*	2-19	.162″	2	8473§	2-14	.332″	6

COST PER SPOOL

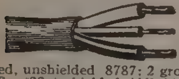
Mfr's Type	100-FT. SPOOL		500-FT. SPOOL	
	Stock No.	EACH	Stock No.	EACH
8481	47 U 612	1.65	47 U 614	5.40
8794	....	......	47 U 642	10.13
8205	47 U 597	2.70	47 U 600	10.50
8482	47 U 616	1.95	47 U 631	7.15
8483	47 U 633	2.50	48 U 563 X	10.05
8486	....	......	47 U 636	9.15
8487	....	......	47 U 638	12.45
8460	47 U 602	2.70	47 U 603	10.75
8461	47 U 610	3.75	47 U 434	14.65
8470	....	......	47 U 436	13.00
8471	....	......	47 U 611	18.45
8473	....	......	47 U 327 U	30.00

TWO-CONDUCTOR SHIELDED CABLE



For speaker systems, intercoms All have vinyl plastic insulation and jackets. except 8758 which has copper braid jacket. Tinned conductors *Tinned copper, spiral-wrapped shield. Black/Red coding. Shpg. wt., per 100 ft. of cable, 2½ lbs.

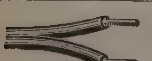
Mfr's Type	AWG Stranding	O. D.	100-FT. SPOOL		500-FT. SPOOL	
			Stock No.	EACH	Stock No.	EACH
8737*	22 (7x30)	.170″	47 U 644	3.70	47 U 447	14.65
8758	20 (7x28)	.165″	47 U 647	3.45	47 U 648	15.00
8759*	20 (7x28)	.195″	47 U 649	4.05	47 U 666	17.85
8739*	22 (Solid)	.160″	47 U 645	3.15	47 U 449	13.00



VINYL "JUKE BOX" CABLE

Stranded, color-coded, tinned copper conductors 8783: 1—#20, 2—#16 8786 (oval): 4—#24 twisted under shield, 2—#22 twisted, unshielded 8787: 2 groups of 4—#24 twisted under separate shields; 2—#22 unshielded (All shields tinned copper braid) Av. wt., 100 ft., 5 lbs.

Mfr's Type	Cond.	O. D.	100-FT. SPOOL		500-FT. SPOOL	
			Stock No.	EACH	Stock No.	EACH
8783	3	.250″	47 U 775	4.90	47 U 776 U	24.38
8786	6	.256″	47 U 777	6.25	47 U 778 U	30.00



VINYL "JUKE BOX" SPEAKER CABLE

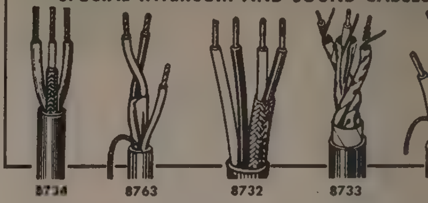
Type 8782. Two parallel conductors, 1 tinned, 1 bare; #24, 7x32 stranding. Vinyl insulation. Vinyl jacket. **In chrome, clear, white or sand color, specify choice.** O.D., .058x115″. Shpg. wt., 100 ft., 10 oz.

48 U 848C. 25-ft. Spool.......**.66** **48 U 828C. 50-ft. Spool** .. **.98**
48 U 829C. 100-ft. Spool....**1.47** **47 U 051C. 500-ft. Spool**..**4.88**
47 U 052C. 1000-ft. Spool..................................**9.75**

Type 8649 Two-Conductor "Juke-Box" Cable. Same as above but #20, 7x38 stranding. **In chrome or clear. Specify color choice when ordering.** 100-ft. spools only. Wt., 10 oz.

47 U 678 C. 100-ft. Spool....................................**2.05**

SPECIAL INTERCOM AND SOUND CABLES



Type 8734. 3 cond. (vinyl-ins.). Tinned copper shield on one;
ed. AWG: 22(7x30). Chrome vinyl jacket. Wt., 100 ft., 2¾ l

Type 8763. 3 cond. (polyethylene-ins.). Aluminum-Mylar sh
1 unshielded. #20 stranded grd. wire. Chrome vinyl jacket over
20 (7x28). Shpg. wt. per 100 ft., 3¼ lbs.

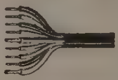
Type 8732. 4 cond. (polyethylene-ins.). 1 pr. tinned copper
1 pr. unshielded. 22 (7x30). Chrome vin. plastic jacket. 100

Type 8733. 3 cond., separately alum.-Mylar shielded. Grd. w
cadmium-bronze, "Beldfoil Z" fold. AWG: 22 (7x30). 100 ft

Type 8722. 4 cond. (vinyl-ins.): 2 alum.-Mylar shield on 2; u
Tinned grd. 20 (7x28). Chrome vin. jacket 110 ft., 4½ lbs.

Mfr's Type	Cond.	O. D.	100-FT. SPOOL		500-FT. S
			Stock No.	EACH	Stock No.
8734	3	.194″	47 U 685	4.05	47 U 445
8763	2	.210″	....	......	47 U 471
8732	4	.188x.296″	47 U 684	5.10	47 U 465
8733	3	.205″	47 U 687	4.90	47 U 329
8722	4	.260″	....	......	47 U 675

MULTIPLE-CONDUCTOR CABLE (NOT PAIRED

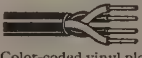


Top-quality multiple-conductor cable for p
installations of intercoms, speakers and c
cuits—as well as other applications requirin
durable, flexible and lightweight cable. C
are non-paired, plastic-insulated, flexibl
stranded copper wire, with color-coded pl
lation—all cabled together and enclosed in
chrome vinyl jacket. All types are fully waterproof—oil, we
tear-resistant—for long life under difficult environmental c
Cables are flexible and easily stripped. *Have 2 conductors
stranded wire (16x30); other conductors are No. 22 stranded
both Stock No. and Mfr's Type when ordering.

Mfr's Type	Cond.	AWG Stranding	O. D.	Lbs., 100 ft.	Mfr's Type	Cond.	AWG Stranding	O
8443	3	22 (7x30)	.150″	2	*8446	6	18 (16x30)	.2
8444	4	22 (7x30)	.168″	2¼	*8448	8	18 (16x30)	.2
8445	5	22 (7x30)	.180″	2½″	*8449	9	18 (16x30)	.2

COST PER SPOOL

Mfr's Type	15 FT.		25 FT.		100 FT.		500
	Stk. No.	EA.	Stk. No.	EA.	Stk. No.	EA.	Stk. N
8443	....	.....	47 U 497	1.05	47 U 498	2.70	47 U 49
8444	....	.....	47 U 503	1.23	47 U 504	3.25	47 U 50
8445	....	.....	47 U 508	1.31	47 U 510	4.00	47 U 51
8446	47 U 519	1.23	....	.....	47 U 524	5.85	47 U 52
8448	47 U 534	1.38	....	.....	47 U 536	6.90	47 U 53
8449	47 U 538	1.58	....	.....	47 U 539	7.75	47 U 54

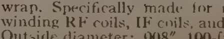


PAIRED VINYL UNSHIELDED CA

For intercom and telephone wiring. No
tinned copper except *No. 22 strande
Color-coded vinyl plastic insulation. Conductors cabled in twis
chrome vinyl plastic overall. Provide a quiet circuit, free from
Vinyl plastic insulation for high dielectric strength. **Be certai
cify both the Mfr's Type and the spool size desired when c**

Mfr's Type	Cond.	O. D.	Lbs., 100 ft.	100 FT. SPOOL		500 FT. S
				Stk. No.	EACH	Stk. No.
8442*	2	.165″	1½	....	......	47 U 690
8740	2	.150″	1¾	47 U 691	1.95	47 U 692
8741	4	.201″	2½	47 U 693	3.25	47 U 455
8742	6	.240″	3½	48 U 565	4.20	47 U 458
8757	8	.255″	4	....	......	47 U 407 X
8743	12	.305″	4¾	48 U 572	6.85	47 U 460 U
8747*	12	.340″	5½	47 U 697	8.95	47 U 698 U
8744	18	.354″	6½	48 U 552	9.15	48 U 553 X
8748*	18	.389″	8	47 U 699	12.30	47 U 002 U
8753	22	.384″	8	47 U 700	11.80	47 U 467 X
8754	26	.409″	11	48 U 555	13.35	47 U 476 Z
8745	30	.420″	10	47 U 696	15.00	47 U 462 Z
8755	38	.480″	15	....	......	47 U 478 Z
8756	46	.510″	17¼	....	......	47 U 480 Z

BELDEN LITZ WIRE



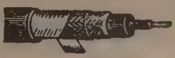
Type 8817. 5x44 stranded co
enamel insulated with o
wrap. Specifically made for rewinding antenna primarie
winding RF coils, IF coils, and similar radio frequency appl
Outside diameter: .008″. 100-ft. spool. Shpg. wt., 2 oz.

48 U 981..

ielden Microphone and Special-Purpose Cable

RUBBER-COVERED MICROPHONE AND SHIELDED POWER-SUPPLY CABLE

ended for greater abrasion resistance and extra flexibility. Especially r installations where cable must make tight bends around corners or tly flat. Available in single or multiple (up to 8) conductors. Type 8414 exible and limp; 8428 has heavy-duty neoprene jacket; 8406 and 8413 ıture-sized cables. Av. shpg. wt., per 100 ft. 6 lbs.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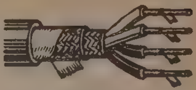
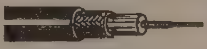

MULTIPLE

'o. nd.	AWG Stranding	Cap. Mmf	O. D.	Wkg. Volts	15 FT. SPOOL Stk. No.	15 FT. SPOOL EA.	25 FT. SPOOL Stk. No.	25 FT. SPOOL EA.	50 FT. SPOOL Stk. No.	50 FT. SPOOL EA.	100 FT. SPOOL Stk. No.	100 FT. SPOOL EA.	250 FT. SPOOL Stk. No.	250 FT. SPOOL EA.
1	25(7x33)	33	.245″	3000	......	....	47 U 793	2.70	47 U 798	4.75	47 U 799	8.65	47 U 814	20.25
2	20(26x34)	42	.268″	600	......	.....	47 U 826	2.65	47 U 827	5.10	47 U 828	9.55	47 U 829	21.75
3	20(26x34)	50	.277″	600	47 U 831	2.20	......	....	47 U 832	5.65	47 U 835	10.50	47 U 836	24.40
4	20(26x34)	55	.295″	600	47 U 837	2.50	....	...	47 U 838	6.55	47 U 839	12.15	47 U 840	29.25
5	20(26x34)	44	.323″	600	....	......	....	.....	....	...	47 U 841	14.25	47 U 842	34.90
6	20(26x34)	40	.349″	600	....	.....	....	.....	.....		47 U 843	17.00	47 U 844 U	42.75
7	20(26x34)	40	.360″	600	....	.....	.....	....	.....	.	47 U 845	18.75		.....
8	20(26x34)	42	.386″	600	....	.....	....	....	....	...	47 U 846	21.00	47 U 847 U	51.75
2	18(41x34)	47	.295″	600	....	.....	....	.....	....	...	47 U 848	12.15		......
2	24(45x40)	38	.185″	300	47 U 851	1.80	.....	.....	47 U 853	4.60	47 U 855	8.25	.	......

VINYL PLASTIC-COVERED MICROPHONE AND SHIELDED POWER-SUPPLY CABLE

pacitance and loss figures than standard rubber-covered cables. one deterioration; have high resistance to oil, gasoline, and other .. All are relatively light weight with small diameters. 8411 is r lapel or lavalier microphones. 8420 is a miniature type cable. wt., per 100 ft., 3½ lbs.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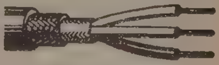
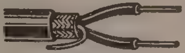
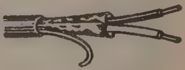

MULTIPLE

o. nd.	AWG Stranding	Cap. Mmf	O. D.	Wkg. Volts	15 FT. SPOOL Stk. No.	15 FT. SPOOL EA.	25 FT. SPOOL Stk. No.	25 FT. SPOOL EA.	50 FT. SPOOL Stk. No.	50 FT. SPOOL EA.	100 FT. SPOOL Stk. No.	100 FT. SPOOL EA.	250 FT. SPOOL Stk. No.	250 FT. SPOOL EA.
	25(7x33)	25	.200″	5000	47 U 861	1.10	47 U 862	1.41	47 U 863	2.52	47 U 864	4.65	47 U 865	9.75
	25(7x33)	34	.144″	3500	47 U 866	.90	47 U 867	1.23	47 U 868	1.88	47 U 869	3.45	47 U 870	7.20
2	22(16x34)	18	.231″	1000	47 U 872	1.31	47 U 873	2.03	47 U 874	3.55	47 U 875	6.30	47 U 876	14.20
3	20(26x34)	25	.245″	600	47 U 877	1.71	....	..	47 U 878	4.75	47 U 879	8.70	47 U 880	20.25
	20(26x34)	25	.255″	600	47 U 881	2.10	....	......	....	......	47 U 882	9.75	47 U 883	23.50
	20(26x34)	25	.275″	600	....	......	....	......	....	......	....	......	47 U 884	26.80
2	24(45x40)	20	.185″	500	47 U 886	1.65	47 U 887	2.50	47 U 888	3.70	47 U 889	6.90	47 U 890	17.85

TANDARD AND MINIATURE BROADCAST AUDIO CABLES

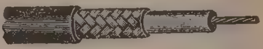
uctor, color-coded cables. High insulation resistance and effective shield- ate noise and cross-talk. Have free stripping jackets, fast shield termina- small diameters. Tinned drain-wire prevents current loops. §Spiral- †Braided. **Specify both Stock No. and Mfr's Type when ordering.**


STANDARD CABLE


MINIATURE CABLE

Type	AWG Stranding	O. D. Inches	Wkg. Volts	Shields	Jacket	Lbs., 100 ft.	100 FT. SPOOL Stock No.	100 FT. SPOOL EACH	500 FT. SPOOL Stock No.	500 FT. SPOOL EACH
3S	22(solid)	.200	200	Copper†	Black Vinyl	3½	....	....	47 U 451	18.50
NS	22(16x34)	.210	200	Copper†	Black Vinyl	3	47 U 893	4.90	47 U 474	22.75
niature	22(solid)	.118	200	Alum.-"Mylar"§	Blk./Gray Vinyl	1½	47 U 894	3.30	47 U 895	12.15
niature	22(7x30)	.135	200	Alum.-"Mylar"§	Blk./Gray Vinyl	1¾	48 U 562	3.70	47 U 898	15.40

RG HIGH-FREQUENCY COAXIAL CABLE



loss, flexible polyethylene inner jacket, covered with cop- shield, black vinyl outer jacket. Assures constant elec- acteristics regardless of changes in frequency or temper- 4 and 8219 are excellent for use in CB and Amateur Radio antenna cable. *Indicates cable has cellular polyethylene foam core for very low losses even at ultra-high frequencies. All have black outer covering. Furnished in 100′ spools only. Specify both stock number and manufacturer's type when ordering. Contact Allied for other cable types not listed.

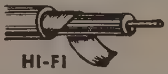
	Mfr's Type	RG No.	AWG (Stranding)	O. D. (In.)	Imp. Ohms	Cap. Mmf/Ft.	Conductor	Lbs.	100′ SPOOL
23	8237	8/U	13(7x21)	.405	52	29.5	Bare Copper	11¼	11.65
37	8214*	8/U	11(7x19)	.403	50	26	Tinned Copper	12	12.40
27	8240	58/U	20(Solid)	.195	53.5	28.5	Bare Copper	3¼	4.35
31	8216	174/U	26(7x34)	.100	50	30.4	Bare Copper	1	3.10

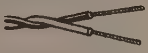
75-OHM AND 73-OHM RG COAXIAL CABLE FOR COLOR-TV LEAD-IN

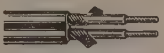
	Mfr's Type	RG No.	AWG (Stranding)	O. D. (In.)	Imp. Ohms	Cap. Mmf/Ft.	Conductor	Lbs.	100′ SPOOL
64	8238	11/U	18(7x26)	.405	75	20.5	Tinned Copper	10¼	11.00
28	8241	59/U	22(Solid)	.242	73	21	Bare Copper	4	5.10

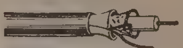
HI-FI, STEREO AND PHONO CABLES

ied Radio head-
for all your
needs. You can
on Allied for
ervice.


HI-FI


PHONO CABLE


DUAL CHANNEL


SINGLE

ıded conductors of tinned copper with vinyl or rubber in- 'ype 8421: Hi-fi cable, spiral wrap. Types 8430 and 8431: phono pickup applications. 8419 and 8429: dual channel, for stereo phono pickups. 8416: for stereo and language labs. 8417: single, miniature mono phono connecting cable. *Use two cables for maximum channel separation. †106x.213.

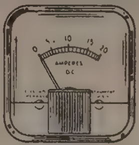
acket	No. Cond. & AWG	O. D.	Lbs., 100 ft.	10 FT. SPOOL Stk. No.	10 FT. SPOOL EACH	25 FT. SPOOL Stk. No.	25 FT. SPOOL EACH	50 FT. SPOOL Stk. No.	50 FT. SPOOL EACH	100 FT. SPOOL Stk. No.	100 FT. SPOOL EACH	250 FT. SPOOL Stk. No.	250 FT. SPOOL EACH
. Vinyl	1-25(7x33)	.180	2¼	.....	...	48 U 781	1.31	48 U 782	2.55	48 U 783	4.05	48 U 784	9.15
ıbber	1-24(16x36)	.095	¼	49 U 929	.66	49 U 930	1.17	....	......	49 U 931	3.75	....	......
ıyl	2-32(7x40)	.050	1¼	49 U 926	.57	49 U 927	.75	..				49 U 928	4.50
. Vinyl	2-25(7x33)	†	2½	....	......	49 U 382	1.58	49 U 390	2.85	49 U 391	4.90	49 U 412	11.35
ıyl	2-32(7x40)	.057	1¼	49 U 932	.74	49 U 933	1.17	....	......	....	......	49 U 934	8.25
ıyl	3-32(7x40)	.067	1½	48 U 327	.90	48 U 330	1.58	....	......	....	......	48 U 333	11.35
. Vinyl	1-25(7x33)	.140	1⅓	....	......	47 U 671	1.31	47 U 672	2.10	47 U 673	4.00	47 U 674	8.65

Emico and Parker Panel Me

EMICO

LOW-COST PANEL METERS

NF-2C


RF-2¼C

RF-2C

DC MILLIAMPERES
13 Edgewise

Accurate Within 5%

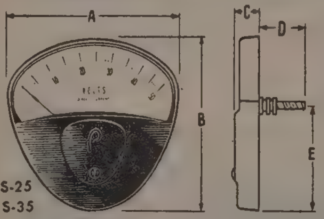
Offer accuracy and prestige appearance. DC meters have "HI-TORK" magnetic movements; AC meters, moving-iron. Work trouble-free even under severe conditions. Calibrated in steel cases, meters need no further adjustments. 5% accuracy is not affected by mounting in magnetic metal panels. Black-enameled or zinc-irridite steel cases. Dimensions (overall depth and flange size): Model NF-2C, 1¼x2¼"; Model RF-2C, 1⁵⁄₃₂x2¼"; Model RF-2¼C, 1⁹⁄₁₆x2⁵⁄₁₆"—fit in 2¹⁄₁₆" diameter hole; Model 13 (all plastic) ¾x1¹³⁄₁₆x2⅛". Screw-terminal binding posts and/or lugs for solder connections. With mtg. hardware. Av. shpg. wt., 9 oz.

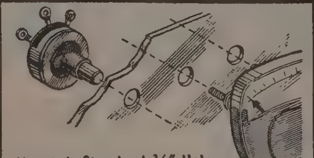
- Designed to Perform Trouble-Free Under Severe Operating Cond
- Calibrated in Steel Cases, Accuracy Is Not Affected by Metal Pa
- Specially Styled to Lend Prestige Appearance to Electrical Equip

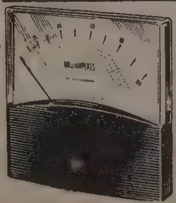
	Model NF-2C		Model RF-2C		Model RF-2¼C		Mod
Range	Stock No.	EACH	Stock No.	EACH	Stock No.	EACH	Stock No.
DC MILLIAMMETERS							
0-1	67 U 609	3.70	67 U 614	3.75	68 U 012	4.05	66 U 02
0-5	68 U 970	2.35	68 U 971	2.40	66 U 022	2.70	66 U 02
0-10	67 U 600	2.20	67 U 615	2.25	68 U 013	2.55	66 U 02
0-20	67 U 601	1.90	67 U 616	2.00	68 U 014	2.30	66 U 02
0-30	67 U 602	1.90	67 U 617	2.00	68 U 015	2.30	66 U 02
0-50	67 U 603	1.90	67 U 618	2.00	68 U 016	2.30	66 U 02
0-100	67 U 604	1.90	67 U 619	2.00	68 U 017	2.30	66 U 02
0-150	67 U 605	1.90	67 U 620	2.00	68 U 018	2.30	66 U 03
0-200	67 U 200	1.90	67 U 621	2.00	68 U 019	2 30	66 U 03
0-300	67 U 607	1.90	67 U 622	2.00	68 U 020	2.30	66 U 03
0-500	67 U 608	1.90	67 U 623	2.00	68 U 021	2.30	66 U 03
AC VOLTMETERS							
0-15	67 U 665	3.05	67 U 670	3.15	68 U 022	3.45	66 U 03
0-50	68 U 978	3.05	68 U 979	3.15	66 U 038	3.45	....
0-150	67 U 666	3.60	67 U 671	3.70	68 U 023	4.00	66 U 03
0-300	67 U 667	4.20	67 U 672	4 25	68 U 024	4.55	66 U 03
DC AMMETERS							
0-1	68 U 972	1.90	68 U 973	2.00	68 U 025	2.30	....
0-5	68 U 974	1.90	68 U 975	2.00	66 U 043	2 30	....
0-10	67 U 650	1.90	67 U 656	2.00	66 U 044	2.30	66 U 07
0-15	66 U 039	1.90	66 U 041	2.00	66 U 045	2.30	66 U 07
0-25	68 U 976	1.90	68 U 977	2.00	66 U 046	2.30	....
0-30	66 U 040	1.90	66 U 042	2.00	66 U 047	2.30	66 U 08
3-0-3	67 U 651	1.90	67 U 657	2.00	68 U 026	2.30	....
20-0-20	67 U 652	1.90	67 U 658	2.00	68 U 027	2.30	66 U 08
30-0-30	67 U 653	1.90	67 U 659	2.00	68 U 028	2.30	66 U 08
DC VOLTMETERS							
0-3	67 U 630	1.90	67 U 635	2.00	68 U 082	2.30	66 U 16
3-0-3	67 U 631	1.90	67 U 636	2.00	68 U 083	2.30	....
0-10	67 U 632	1.90	67 U 637	2.00	68 U 084	2.30	66 U 18
0-15	66 U 090	1.90	66 U 169	2.00	66 U 092	2.30	66 U 18
0-20	66 U 091	1.90	66 U 193	2.00	66 U 093	2.30	66 U 19
0-30	68 U 980	1.90	68 U 981	2.00	66 U 096	2.30	66 U 19
0-50	68 U 982	1.90	68 U 983	2.00	66 U 097	2.30	66 U 19
AC AMMETERS							
0-1	68 U 984	3.05	68 U 985	3.15	....	....	....
0-5	67 U 646	3.05	67 U 648	3.15	68 U 085	3.15	66 U 19
0-10	67 U 647	3.05	67 U 649	3.15	68 U 086	3.15	....
AC MILLIAMMETERS							
0-500	67 U 640	3.05	67 U 643	3.15	68 U 029	3.45	66 U 21

Parker

ULTRA-THIN PANEL METERS




Mounts in Standard ⅜" Holes
Simple 2-Hole Mounting



4½" Meters
Thin-Line Body for Surface Mounting

SB-45

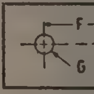
PARKER SURFACE-MOUNTING METERS

- Self-Shielded • Meters ±2% Accurate, AC Meters ±3%
- DC Meters Withstand Continuous 10,000% Overload
- Total Thickness Only ½" • Just Two ⅜" Mounting Holes

Ultra-thin meters can be mounted in any kind of panel, thanks to self-shielding. Except for terminals, surface mounting takes up no space at all behind the panel. Parker meters can be used as direct replacements for conventional meters, with corner studs (included). Thin-line construction is possible because of unique etched-circuit coil-disc, 1⅛" in diameter; and a thin, annular Alnico VIII magnet. Coil-disc rotates between magnet and steel top plate. Simple 2-hole mounting. Full-scale accuracy: DC meters, ±2%; AC meters, ±3%. Av. shpg. wt., 5 oz.

Dimensions

	S-25	S-
A	2⅝	3
B	2⅝	3
C	⁹⁄₁₆	
D	⅞	
E	1⅞	2
F	1½	1
G	⅜	



	Model S-25		Model S-35		Model SB-
Range	Stock No.	EACH	Stock No.	EACH	Stock No.
DC MILLIAMMETERS					
0-1	67 U 001	17.50	67 U 009	18.00	67 U 133
1-0-1	67 U 002	18.50	67 U 010	18.50	67 U 132
DC AMMETERS					
0-1	67 U 104	17.50	67 U 106	18.00	....
0-10	67 U 105	18.50	67 U 107	19.00	67 U 129
0-15	....	....	....	....	67 U 130
DC MILLIVOLTMETERS					
0-50	67 U 019	17.50	67 U 020	18.00	67 U 139
0-100	....	....	....	....	67 U 140
DC VOLTMETERS					
0-10	....	....	....	....	67 U 142
0-25	67 U 109	17.50	67 U 112	18.00	....
0-50	67 U 110	17.50	67 U 113	18.00	67 U 143
0-100	67 U 050	17.50	67 U 054	18.00	67 U 144
DC MICROAMMETER					
500-0-500	....	....	....	....	67 U 131
AC VOLTMETER					
0-150	67 U 060	21.50	67 U 064	22.00	67 U 148

LAB STAND. (Not illus.) Fusable meter stand for bench use of S-25 and S-3
Gray wrinkle finish. Shpg. wt., 12 oz.
67 U 000..

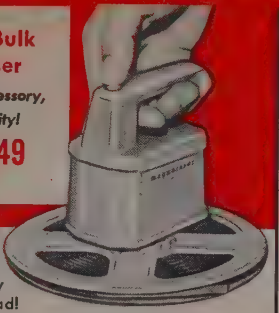
Please Specify Range and Model No. When Ordering

Special Money-Saving Values from Allied

Low-Cost Bulk Tape Eraser

Not Just an Accessory, but a Necessity!

Special Price **$8⁴⁹**



es Tapes more
ctively than Any
rder Erase Head!

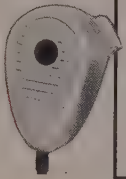
this eraser to get the most from your tapes. or two passes across a reel of tape, and all rded material is erased. Also demagnetizes e posts, capstans, flywheels, 8mm magnetic d film, etc. On-off switch, 8′ cord. For 110-v., 60 cycle AC. 4 lbs.

U 030 M. **8.49**

se-Canceling Mike

sh-to-Talk Switch
00 to 3000 cps

$3⁹⁵



and Ham high-imp. mike has el-plated brass hardware, gray styrene case. —48 db. Coiled extends to 6′, retracts to 12″. g-up clip. 3⅝x2½x2″.

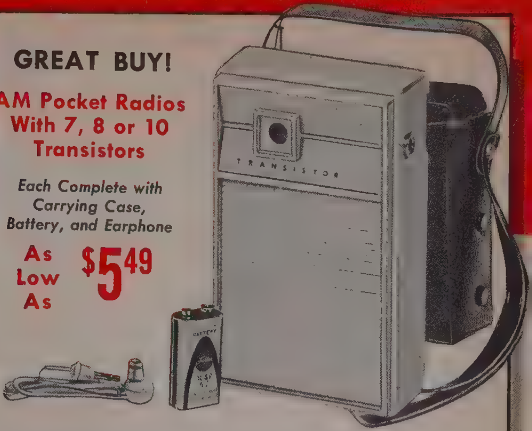
J 399 M. Wt., 10 oz. ...**3.95**

GREAT BUY!

AM Pocket Radios With 7, 8 or 10 Transistors

Each Complete with Carrying Case, Battery, and Earphone

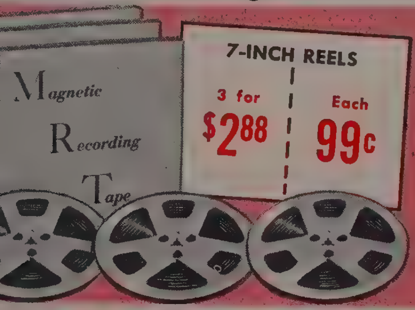
As Low As **$5⁴⁹**



Value-packed portables. Take your choice of 7, 8 or 10-transistor models, each is a marvelous buy! All-transistor circuits give excellent metropolitan-area reception. Dependable direct-drive tuning. 8 and 10-transistor radios not shown, but similar to above. Radios are from either Hong Kong or Taiwan. Av. shpg. wt., 1 lb.

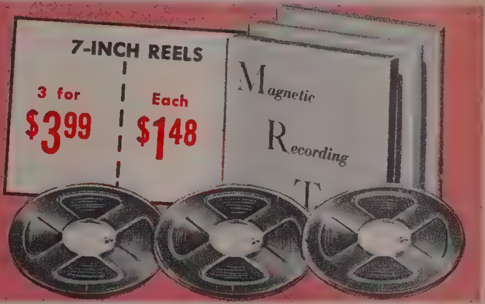
24 U 031 MS. 7-Transistor Radio Outfit.............. **5.49**
24 U 032 MS. 8-Transistor Radio Outfit.............. **5.95**
24 U 033 MS. 10-Transistor Radio Outfit............. **6.95**
55 U 999 M. Extra Battery. Wt., 6 oz. . .Pkg. of 3 for **79c**

Unbeatable Bargains on Famous-Name Recording Tape



7-INCH REELS

3 for **$2⁸⁸** | Each **99c**



7-INCH REELS

3 for **$3⁹⁹** | Each **$1⁴⁸**

1½-Mil "Mylar" Recording Tape

Standard 7″ Reel Contains 1200 Feet of Tape
Every Reel Unconditionally Guaranteed Splice Free
Tough "Mylar" Base Is Moisture and Heat Resistant
Specially Lubricated to Minimize Tape Head Wear

r now, don't miss out on this wonderful offer! Allied's ly buying "scoop" brings you this name-brand tape really low price. Each 7″ reel contains 1200 feet of mil "Mylar" base tape. Guaranteed splice free— tape is one continuous length. Carefully bonded e assures uniform sensitivity. Special lubrication ess reduces tape head wear to a minimum. The tough lar" base is moisture and heat resistant, won't k. Shpg. wt., 1½ lbs.

) 020 M. .... Each **.99**
705 M. Stock Up and Save! ....Three for **2.88**

1-Mil Polyester Recording Tape

- Standard 7″ Reel Contains 1800 Feet of Tape
- Every Reel Unconditionally Guaranteed Splice Free
- Tough Polyester Base Provides High Tensile Strength
- Tape Is of Uniform Sensitivity—No Fading or Drop-Out

Home recordists—here's a splendid opportunity to stock up on a name-brand recording tape at an extremely low bargain price. Each sturdy, warp-resistant 7″ reel contains 1800 feet of 1-mil polyester-base tape. Absolutely guaranteed to be free of splices—every reel is one continuous length. Also guaranteed to be of uniform sensitivity—you enjoy complete freedom from drop-out and fading. The high tensile strength of the polyester base assures long wear. Shpg. wt., 1½ lbs.

80 U 054 M. .... Each **1.48**
80 U 024 M. Stock Up and Save! ....Three for **3.99**

Emico and Parker Panel Me

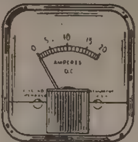
- Designed to Perform Trouble-Free Under Severe Operating Co
- Calibrated in Steel Cases, Accuracy Is Not Affected by Metal F
- Specially Styled to Lend Prestige Appearance to Electrical Equ

EMICO

LOW-COST PANEL METERS

0
2
4
6
8
10
DC
AMPERES
EMCO

NF-2C



RF-2¼C

0
10
20
30
40
50
DC
VOLTS

RF-2C

DC MILLIAMPERES
0
1
2
3
4
5

13
Edgewise

Accurate Within 5%

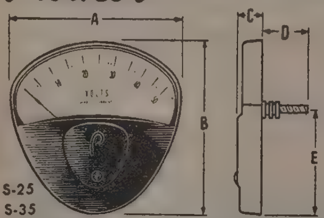
Offer accuracy and prestige appearance. DC meters have "HI-TORK" magnetic movements; AC meters, moving-iron. Work trouble-free even under severe conditions. Calibrated in steel cases, meters need no further adjustments. 5% accuracy is not affected by mounting in magnetic metal panels. Black-enameled or zinc-irridite steel cases. Dimensions (overall depth and flange size): Model NF-2C, 1¼x2¼"; Model RF-2C, 1⁵⁄₃₂x2¼"; Model RF-2¼C, 1⁹⁄₁₆x2⁵⁄₁₆"—fit in 2¹⁄₁₆" diameter hole; Model 13 (all plastic) ¾x1¹³⁄₁₆x2⅛". Screw-terminal binding posts and/or lugs for solder connections. With mtg. hardware. Av. shpg. wt., 9 oz.

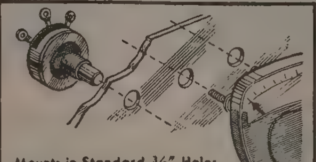
DC MILLIAMMETERS

	Model NF-2C		Model RF-2C		Model RF-2¼C		M
Range	Stock No.	EACH	Stock No.	EACH	Stock No.	EACH	Stoc No
0-1	67 U 609	3.70	67 U 614	3.75	68 U 012	4.05	66 U
0-5	68 U 970	2.35	68 U 971	2.40	66 U 022	2.70	66 U
0-10	67 U 600	2.20	67 U 615	2.25	68 U 013	2.55	66 U
0-20	67 U 601	1.90	67 U 616	2.00	68 U 014	2.30	66 U
0-30	67 U 602	1.90	67 U 617	2.00	68 U 015	2.30	66 U
0-50	67 U 603	1.90	67 U 618	2.00	68 U 016	2.30	66 U
0-100	67 U 604	1.90	67 U 619	2.00	68 U 017	2.30	66 U
0-150	67 U 605	1.90	67 U 620	2.00	68 U 018	2.30	66 U
0-200	67 U 200	1.90	67 U 621	2.00	68 U 019	2.30	66 U
0-300	67 U 607	1.90	67 U 622	2.00	68 U 020	2.30	66 U
0-500	67 U 608	1.90	67 U 623	2.00	68 U 021	2.30	66 U
AC VOLTMETERS							
0-15	67 U 665	3.05	67 U 670	3.15	68 U 022	3.45	66 U
0-50	68 U 978	3.05	68 U 979	3.15	66 U 038	3.45	......
0-150	67 U 666	3.60	67 U 671	3.70	68 U 023	4.00	66 U
0-300	67 U 667	4.20	67 U 672	4.25	68 U 024	4.55	66 U
DC AMMETERS							
0-1	68 U 972	1.90	68 U 973	2.00	68 U 025	2.30	......
0-5	68 U 974	1.90	68 U 975	2.00	66 U 043	2.30	......
0-10	67 U 650	1.90	67 U 656	2.00	66 U 044	2.30	66 U
0-15	66 U 039	1.90	66 U 041	2.00	66 U 045	2.30	66 U
0-25	68 U 976	1.90	68 U 977	2.00	66 U 046	2.30	......
0-30	66 U 040	1.90	66 U 042	2.00	66 U 047	2.30	66 U
3-0-3	67 U 651	1.90	67 U 657	2.00	68 U 026	2.30	......
20-0-20	67 U 652	1.90	67 U 658	2.00	68 U 027	2.30	66 U
30-0-30	67 U 653	1.90	67 U 659	2.00	68 U 028	2.30	66 U
DC VOLTMETERS							
0-3	67 U 630	1.90	67 U 635	2.00	68 U 082	2.30	66 U
3-0-3	67 U 631	1.90	67 U 636	2.00	68 U 083	2.30	......
0-10	67 U 632	1.90	67 U 637	2.00	68 U 084	2.30	66 U
0-15	66 U 090	1.90	66 U 169	2.00	66 U 092	2.30	66 U
0-20	66 U 091	1.90	66 U 193	2.00	66 U 093	2.30	66 U
0-30	68 U 980	1.90	68 U 981	2.00	66 U 096	2.30	66 U
0-50	68 U 982	1.90	68 U 983	2.00	66 U 097	2.30	66 U
AC AMMETERS							
0-1	68 U 984	3.05	68 U 985	3.15	......	......	......
0-5	67 U 646	3.05	67 U 648	3.15	68 U 085	3.15	66 U
0-10	67 U 647	3.05	67 U 649	3.15	68 U 086	3.15	......
AC MILLIAMMETERS							
0-500	67 U 640	3.05	67 U 643	3.15	68 U 029	3.45	66 U 2

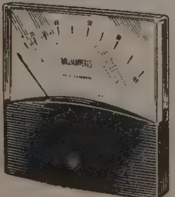
Parker

ULTRA-THIN PANEL METERS





Mounts in Standard ⅜" Holes
Simple 2-Hole Mounting



4½"
Meters

Thin-Line
Body for
Surface
Mounting

SB-45

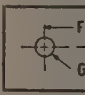
PARKER SURFACE-MOUNTING METERS

- Self-Shielded
- Meters ±2% Accurate, AC Meters ±3%
- DC Meters Withstand Continuous 10,000% Overload
- Total Thickness Only ½"
- Just Two ⅜" Mounting Holes

Ultra-thin meters can be mounted in any kind of panel, thanks to self-shielding. Except for terminals, surface mounting takes up no space at all behind the panel. Parker meters can be used as direct replacements for conventional meters, with corner studs (included). Thin-line construction is possible because of unique etched-circuit coil-disc, 1⅛" in diameter; and a thin, annular Alnico VIII magnet. Coil-disc rotates between magnet and steel top plate. Simple 2-hole mounting. Full-scale accuracy: DC meters, ±2%; AC meters, ±3%. Av. shpg. wt., 5 oz.

Dimension

	S-25
A	2⅝
B	2⅝
C	⁹⁄₁₆
D	⅞
E	1⅞
F	1½
G	⅜



DC MILLIAMMETERS

	Model S-25		Model S-35		Model S
Range	Stock No.	EACH	Stock No.	EACH	Stock No.
0-1	67 U 001	17.50	67 U 009	18.00	67 U 133
1-0-1	67 U 002	18.50	67 U 010	18.50	67 U 132
DC AMMETERS					
0-1	67 U 104	17.50	67 U 106	18.00	......
0-10	67 U 105	18.50	67 U 107	19.00	67 U 129
0-15	......	......	......	......	67 U 130
DC MILLIVOLTMETERS					
0-50	67 U 019	17.50	67 U 020	18.00	67 U 139
0-100	......	......	......	......	67 U 140
DC VOLTMETERS					
0-10	......	......	......	......	67 U 142
0-25	67 U 109	17.50	67 U 112	18.00	......
0-50	67 U 110	17.50	67 U 113	18.00	67 U 143
0-100	67 U 050	17.50	67 U 054	18.00	67 U 144
DC MICROAMMETER					
500-0-500	......	......	......	......	67 U 131
AC VOLTMETER					
0-150	67 U 060	21.50	67 U 064	22.00	67 U 148

LAB STAND. (Not illus.) Fusable meter stand for bench use of S-25 and S-
Gray wrinkle finish. Shpg. wt., 12 oz.
67 U 000 ....

Special Money-Saving Values from Allied

Low-Cost Bulk Tape Eraser

lot Just an Accessory, but a Necessity!

Special Price **$8.49**

es Tapes more
ctively than Any
rder Erase Head!

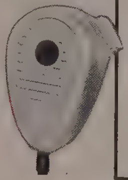
this eraser to get the most from your tapes. or two passes across a reel of tape, and all rded material is erased. Also demagnetizes e posts, capstans, flywheels, 8mm magnetic d film, etc. On-off switch, 8′ cord. For 110-v., 60 cycle AC. 4 lbs.

030 M. **8.49**

se-Canceling Mike

sh-to-Talk Switch
0 to 3000 cps

$3.95



and Ham high-imp. mike has el-plated brass hardware, gray styrene case. —48 db. Coiled extends to 6′, retracts to 12″. g-up clip. 3⅝x2½x2″.

399 M. Wt., 10 oz. ...**3.95**

GREAT BUY!

AM Pocket Radios With 7, 8 or 10 Transistors

Each Complete with Carrying Case, Battery, and Earphone

As Low As **$5.49**

TRANSISTOR

Value-packed portables. Take your choice of 7, 8 or 10-transistor models, each is a marvelous buy! All-transistor circuits give excellent metropolitan-area reception. Dependable direct-drive tuning. 8 and 10-transistor radios not shown, but similar to above. Radios are from either Hong Kong or Taiwan. Av. shpg. wt., 1 lb.

24 U 031 MS. 7-Transistor Radio Outfit..............**5.49**

24 U 032 MS. 8-Transistor Radio Outfit..............**5.95**

24 U 033 MS. 10-Transistor Radio Outfit.............**6.95**

55 U 999 M. Extra Battery. Wt., 6 oz. ..Pkg. of 3 for **79c**

Unbeatable Bargains on Famous-Name Recording Tape

Magnetic
Recording
Tape
7-INCH REELS
3 for
$2.88
Each
99c

7-INCH REELS
3 for
$3.99
Each
$1.48
Magnetic
Recording
T

1½-Mil "Mylar" Recording Tape

Standard 7″ Reel Contains 1200 Feet of Tape
Every Reel Unconditionally Guaranteed Splice Free
Tough "Mylar" Base Is Moisture and Heat Resistant
Specially Lubricated to Minimize Tape Head Wear

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020 M. .... Each **.99**

705 M. Stock Up and Save! ....Three for **2.88**

1-Mil Polyester Recording Tape

- Standard 7″ Reel Contains 1800 Feet of Tape
- Every Reel Unconditionally Guaranteed Splice Free
- Tough Polyester Base Provides High Tensile Strength
- Tape Is of Uniform Sensitivity—No Fading or Drop-Out

Home recordists—here's a splendid opportunity to stock up on a name-brand recording tape at an extremely low bargain price. Each sturdy, warp-resistant 7″ reel contains 1800 feet of 1-mil polyester-base tape. Absolutely guaranteed to be free of splices —every reel is one continuous length. Also guaranteed to be of uniform sensitivity—you enjoy complete freedom from drop-out and fading. The high tensile strength of the polyester base assures long wear. Shpg. wt., 1½ lbs.

80 U 054 M. .... Each **1.48**

80 U 024 M. Stock Up and Save! ....Three for **3.99**

Super-Bargains on Parts for Everyone

Pocket-Size VOM Does Big Measuring Jobs

- 20,000 Ohms Per Volt, DC
- 10,000 Ohms Per Volt, AC
- Precision 1% Resistors

Feature-packed VOM measures volts, resistance, current (DC) and decibels. Two-color meter has 3½" scale—has sensitive 250 μa movement. Low circuit loading. Provides 5% accuracy, full scale. Ranges: DC volts, 0-5-25-125-500-2500; AC volts, 0-10-50-250-1000; Current (DC) 0-250 ma and 0-50 μa; Resistance, 0-60K ohms, and 0-6 megs; Db, —20 to +22. Only 4½x3¼x1". Complete with battery, test leads, and carrying case. From Japan. Shpg. wt., 2 lbs.

39 U 318 M.......... **9.95**

Only $9 95

With Carrying Case

30′ Phone Extension Ca

Walk as You Talk!

$2 79

A great convenience for ho and office. Plugs into standa telephone equipment, giv your phone the convenience portability. Housewives ca even go about their routine Permits you to place you phone in any room. Cable 30-ft., with telephone jack on end, plug on other. Instruc tions. 1½ lbs. Japan.

39 U 368 M........... **2.7**

Telephone Plug and Jac

59¢

PLUG. 4-prong ivory plug fits most portable phones. Screw term. Mtg. Screws. Japan.

39 U 365 M. 4 oz. .... **59¢**

59¢

JACK. For plug, above. Ivory. Mtg. Screws. Japan.

39 U 366 M. 4 oz. .... **59¢**

Epoxy Silicon Rectifiers

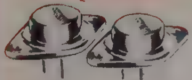
As Low As 2 for 59¢

- Full 1½" Leads
- Epoxy Construction

Amazing low price for top-quality silicon rectifiers that meet rigid specifications. Ideal for use in all types of hi-fi, radio, and TV power supplies. Wt., 3 oz. Two per pkg.

Stock No.	Output (Ma.)	PIV (V)	PER PKG.
39 U 692 M	750	200	.59
39 U 669 M	750	400	.77
39 U 693 M	750	600	.99

Audio Power Transistors

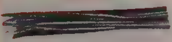


2 for 79¢

Highly popular 2N176 transistors at a bargain price. Rated at 3 amps @ 30 VDC. Beta, 25 v, I_{CBO}, 3 ma; gain, 35.5 db. For 6 12 or 28 volt supplies. 4 oz.

39 U 633 M......Pkg./2 for **79¢**

60-Ft. Spaghetti Assortment



In 3-Ft. Lengths 59¢

Spaghetti (insulated sleeving) assortment includes twenty 3-ft. lengths. Various diameters, colors, finishes. Shpg. wt., 8 oz.

39 U 018 M............... **59¢**

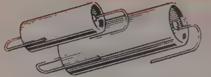
40-Watt PNP Transistor

Ger. alloy-junction. 15 a. @ 30 v. Replaces Del. 501, Ben. 2N278, 2N173.

87¢

39 U 634 M. 3 oz. ..... **87¢**

Special on Electrolytics



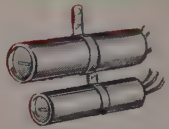
As Low As 49¢

- Easy-to-Solder Tinned Leads
- Hermetically Sealed

Single-Section aluminum cans with insulating cardboard sleeves and 18-gauge 3" copper leads. Maximum operating temperature is 185°F. Shpg. wt., 4 oz.

Stock No.	Mfd	WV DC	Size	EACH
39 U 988 M	150	150	3 ½x1 ¼"	.75
39 U 989 M	200	200	3 ½x1 ¼"	.98
39 U 990 M	20	250	2 ½x ⅞"	.49
39 U 991 M	40	450	2 ⅜x1"	.59
39 U 992 M	80	450	4 x1"	.89

Multiple-Section Capacitors



As Low A 45¢

Double Insulation

Now's the money-saving time stock up on popular values! W suited for AC-DC radios. Wa filled capacitors have #22 wire leads, with tinned ends for eas soldering. Mounting strap. Max mum operating temperatur 167°F. 4 oz.

Stock No.	Mfd	VDC	Size	EA
39 U 993 M	50-30	150	2 ⅝x1"	.4
39 U 994 M	50-30-20	150	2 ⅝x ⅞"	.6

Wire Stripper and Cutter

98¢

Takes much of the effort out of wiring. Adjusts to strip insulation off any wire from 12 to 24-gauge, stranded or solid. Calibrated adjustment for resetting. Insulated handles. Spring-activated jaws. 5" long. 4 oz.

39 U 504 M.............. **98¢**

Special Heat-Sink Assortme

12 for $1 98

Compact f Small-Case Transistors

A great value—8 heat sinks f JEDEC TO-5 transistor cases, a 4 for JEDEC TO-18 cases. Ea has 10 fins, each ¼" long, ⅜" hig Ideal for small-case-size trans tors. 4 oz. Pkg. of 12.

39 U 367 M.............. **1.9**

Top Buy on NPN Transistors

4 for 88¢

Less than 25c each! Equivalent to 2N168, 2N169 and 2N170. BV_{CBO}, 15 v; BV_{CER}, 10 v., I_C peak, 400 ma. Shpg. wt., 4 oz.

39 U 643 M....Pkg. of 4 for **88¢**

IF-RF PNP Transistors

4 for 88

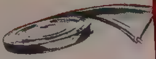
Germanium types—great buy f hobbyists, repairmen. f_{ab}, 10 m BV_{CBO} 25 v; I_C peak, 400 m Shpg. wt., 4 oz.

39 U 642 M....Pkg. of 4 for **88**

Quality Parts at Low Allied Prices

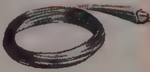
F and UHF/VHF 300-Ohm Twin Line

or Color/Black-and-White TV; FM
Can Be Used Indoors or Outdoors



F-TV; FM. Less than 1c a foot!)-mil web; 22-gauge wire. rable, low-loss polyethylene ket. Shpg. wt., 2 lbs.
U 011 M.....100 ft. for 98¢

100 Ft. **98¢**



F-VHF-TV; FM. Has inert-gas-ed cellular core. 7x28 copper-ated steel wire. Polyethylene ket. 3½ lbs.
U 245 M.....100 ft. for 2.79

100 Ft. **$2.79**

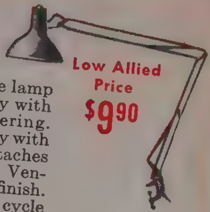
RG-58-Type Coax Cable

ams and CB'ers get in on the big vings! Imp., 53.5 ohms. Only 3.5-mmf capacitance per foot. .D., .195". Less connectors.
9 U 283 M. 25′ Coil. 12 oz. **98¢**
9 U 284 M. 50′ Coil. 1½ lbs. **1.94**
9 U 275 M. 100′ Coil. 3 lbs. **2.88**

As Low As **98¢**

Low-Cost Lamp Kits for Desk and Bench

- Complete-Coverage 45" Arm Sweeps 360°
- Spring-Loaded Swivel Joints

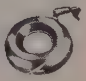


Low Allied Price **$9.90**

Great for close work. All-angle lamp has prefabricated arm assembly with ready-to-use wires—no soldering. Goes together easily and quickly with a screwdriver and pliers. Attaches with convenient screw clamp. Ventilated shade. Smart gray finish. Less bulb. For 110-120 v., 60 cycle AC. Shpg. wt., 5 lbs.
39 U 335 MX............... 9.90

Fluorescent Magnifier Kit

Similar to above, but with fluorescent tube and 5" magnifying lens. Shpg. wt., 7 lbs.
39 U 338 MX............. 18.95
39 U 930 M. Extra Tube. 8 oz.... **2.99**



Top Buy **$18.95**

2-Set VHF TV-FM Coupler

Easy to Connect **98¢**

operating 2 TV or FM sets one of each) from one antenna. nsformer type. Solderless con-ions. 3¾x1x1¾". 3 oz.
U 760 M................98¢

Assorted Cable Clamps

50 for 59¢

udes a wide range of sizes from to 2". Some have removable per jackets. Wt., 8 oz.
J 370 M....Pkg. of 50 for 59¢

10 Assorted Coils of Hook-up Wire—Fine Value

Pocket substantial savings when you buy this convenient assortment of 25-ft. coils of stranded copper hook-up wire. Assorted gauges, insulations and colors. Tinned and untinned types. 1¾ lbs.
39 U 935 M................Ten 25-ft. Coils 98¢

10 for 98¢

50 Radio Knobs

Plastic-molded knobs in assorted colors. Some have pointers, others, dots. Fluted or grooved for ease of gripping. 1½ lbs.
39 U 287 M...Pkg. 50/98¢

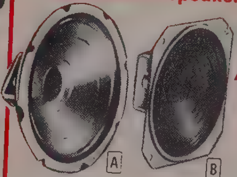
50 for **98¢**

Tube Protector

Lengthens tube life by limiting initial current surge. 300-watt capacity. For 110-120 v. AC. 3 oz.
39 U 486 M..........73¢

73¢

Replacement Speaker Special



Priced Amazingly Low **98¢**

A **5" ROUND SPEAKER.** Precision-centered, .50-oz. Alnico V magnet. Standard EIA dimensions. 3 watts. Impedance 3.2 ohms. Shpg. wt., 8 oz.
39 U 931 M...............98¢

B **4" SQUARE SPEAKER.** Features precision-centered .50-oz. Alnico V magnet. Standard EIA dimensions. Capacity, 3 watts. Impedance, 3.2 ohms. 12 oz.
39 U 932 M...............98¢

Save Big on POT Wire

100′ for $1.98

than 2c per foot! Perfect as speaker cable and extension 2-conductor, No. 18 stranded er wire with vinyl insulation. . per 100-ft. coil.

tock No.	Color	EACH
U 462 M U 204 M U 464 M	Brown White Gray	1.98

or-Twin Line Outlet Plate

plete
9¢

epts 4 or 5-wire rotor leads, two twin-line leads. With 3 5 prong plugs, mtg. hardware. y plate. From Japan. Wt., 4 oz.
J 371 M................89¢

"Juke Box" Speaker Cable

100′ for 88¢

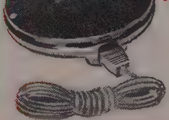
Less than a penny a foot! Has two 24-gauge, 7x32 wires—one tinned, the other bare. O.D., .058x.115". Webbed vinyl plastic insulation. Shpg. wt., 10 oz.
39 U 859 M. Clear 100′ Coil...**88¢**
39 U 858 M. Gray 100′ Coil....**88c**

Antenna Lead-In Outlet Plate

For TV and FM
49¢

Wall outlet plate for 300-ohm lead-in. With plug and mounting hardware. Ivory plastic. From Japan. Full instructions. 4 oz.
39 U 967 M................49¢

Personal Pillow-Speaker

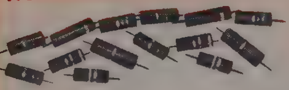


With Extra-Long Cord
$1.79

For TV, radio or phono listening without disturbing others. Speaker has ceramic element, plastic diaphragm. 8⅓′ cable. 2¼x⅝". From Japan. 8 ohms. Wt., 8 oz.
39 U 525 M.............. 1.79

Stock Up on Small Parts at Big Savings

Tremendous-Value ½-Watt Carbon Resistors

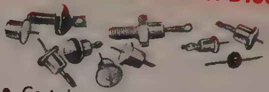


100 for $\$2^{98}$

The more you stock up, the more you save! Each pack contains IRC and other famous-brand resistors. All have a tolerance of ±10%. 2 each of the following values (ohms) are guaranteed: 10, 12, 15, 18, 27, 39, 82, 120, 150, 180, 270, 390, 470, 560, 680, 820, 1000, 1200, 1800, 3300, 3900, 5600, 8200, 10K, 12K, 18K, 22K, 33K, 39K, 56K, 82K, 100K, 120K, 180K, 330K, 390K, 470K, 560K, 680K, 820K. The following meg values are also guaranteed (2 of each): 1.2, 1.8, 2.2, 2.7, 3.9, 4.7, 8.2, 12, 15, 18. Wt., 5 oz.

39 U 697 M..................Pkg. of 100 for **2.98**

Famous-Name Zener Diodes at a Low Pri



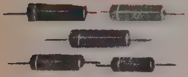
12 for $\$1^{9}$

- Cost Less than 17¢ Each, Take Advantage of T Special Offer to Build Up a Reserve Supply No

Act now to get a dozen famous-name zener diod ranging from a 250-milliwatt type to a stud-mount 1-watt type. Each device is useful as voltage regulato voltage reference, surge and over-voltage protecto etc. The voltage range varies from 2.7 volts to 3 volts. Voltage is clearly marked on each zener. Gre for experimenters and hobbyists. With full instru tions and diagrams. Shpg. wt., 4 oz.

39 U 340 M..................Pkg. of 12 for **1.9**

Plastic-Molded Capacitors



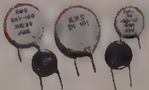
20 for 98¢

- Less Than a Nickel Per Capacitor.
- Guaranteed Values in Each Package

A great chance to build up a supply of plastic-molded capacitors. Package is guaranteed to include one of each of the following values: .1 mfd @ 200 WVDC; .15 mfd @ 200; .039 mfd @ 400; .022 mfd @ 400; .015 mfd @ 600; plus 15 additional popular values with a range of 100-600 WVDC. Axial leads. Wt., 10 oz.

39 U 542 M.....Pkg. of 20 for **98¢**

Ceramic Disc Capacitors



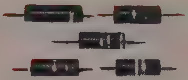
48 for 98¢

- Large Assortment of Quality Discs
- Famous-Name American Manufacturer

Here's a great opportunity to stock up on disc ceramics. Big 48-piece selection includes popular values from 2 mmf to 1000 mmf at 50 to 5000 volts DC. All capacitors are quality-made products of well-known American manufacturers. All have parallel wire leads. Buy several packages for even bigger savings. Wt., 8 oz.

39 U 544 M.....Pkg. of 48 for **98¢**

1-Watt Carbon Resistors



50 for $\$1^{9}$

- Guaranteed Values in Each Packa
- Made by Famous-Name Manufactu

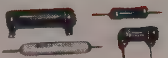
Large assortment of famous-nam carbon resistors at a bargain pric You get 2 each of the following ohr values: 18, 22, 82, 270, 330, 39 680, 2700, 3300, 4700, 6800, 820 15K, 27K, 39K, 82K, 150K, 270 330K, 470K, 560K, 820K, 1.8 meg 2.7 meg, and 3.3 megs. Standa RMA color coded. All have ± capacity tolerance. Wt., 3 oz.

39 U 657 M....Pkg. of 50 for **1.9**

Special Value on 25 Quality Power Resistors

Each package guaranteed to include these values: 2 ohms at 10 watts; 15 ohms at 2 watts; 4700 ohms at 3 watts; 10K at 4 watts; 470 ohms at 5 watts; 14K at 7 watts; 7000 ohms at 10 watts. Plus 18 other values. ±10% tol. 8 oz.

39 U 545 M...........Pkg. of 25 for **98¢**

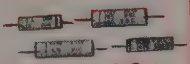


25 for 98¢

Special Price on Ceramic Tubular Capacitors

Contains the following capacitors: .1 mfd at 200 v.; .15 mfd at 200 v.; .002 mfd at 400 v.; .03 mfd at 400 v.; .015 mfd at 600 v. —plus 25 additional values. Order now, and save! Shpg. wt., 7 oz.

39 U 540 M...........Pkg. of 30 for **98¢**

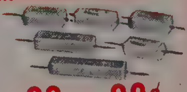


30 for 98¢

20 "Square" Power Resistors at Rock-Bottom Price

Six guaranteed values: 21 ohms at 3 watts; 47 ohms at 5 watts; 200 ohms at 7 watts; 2000 ohms at 5 watts; 5600 ohms at 7 watts (for printed circuits); 3300 ohms at 10 watts. Plus 14 others. 6 oz.

39 U 541 M...........Pkg. of 20 for **98¢**

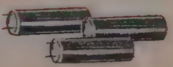


20 for 98¢

Money-Saving Assortment of Upright Capacitors

Only a little over 3c each! Guaranteed to contain one each of: .1 mfd at 200 WVDC; .068 mfd at 200 WVDC; .01 mfd at 400 WVDC; .0047 mfd at 600 WVDC; .01 mfd at 600 WVDC. Plus 25 values with working voltages from 100-600 WVDC. 8 oz.

39 U 543 M...........Pkg. of 30 for **98¢**



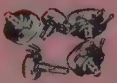
30 for 98¢

100 for $\$1^{98}$

½-Watt Carbon Resistors

Huge assortment of popula values with ±10% toleranc All are RMA color-coded an have axial leads. Less than 2 per resistor! Wt., 5 oz.

39 U 699 M. Pkg. of 100/**1.9**

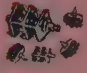


10 for 98¢

Volume Controls

Some have standard threade bushing, others have tab mounting. Package contains 500-ohm 2500-ohm, 250K, 1-meg, and 5 meg controls, plus 5 other pop ular values. Wt., 8 oz.

39 U 319 M...Pkg. of 10/**98**

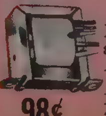


12 for 98¢

Rotary Switches

Commonly used single-deck an double-deck types. Standar ¼″ threaded bushings. All 1 switches cost what you'd expec to pay for one! 12 oz.

39 U 889 M...Pkg. of 12/**98**



98¢

Filament Transformer

Miniature, continuous-dut auto transformer has 117-v. AC primary; 6.3 v. secondar @ 1 amp, 12 v. @ 0.5 amp, an 18 v. @ 0.3 amp. 1-15/16x2-3/8x2″

39 U 295 M. Wt., 1 lb....**98**

Save on Speakers, Testers and Small Parts

Replacement Speakers at Low Cost

YOUR CHOICE!
Each
$1.98

A **8" ROUND SPEAKER.** Upgrade your radio or TV set. Features whizzer cone. 1.47-oz. Alnico V magnet. Cap., 8 watts. 8 ohms. 1½ lbs.
39 U 530 M........**1.98**

B **6x9" OVAL SPEAKER.** Efficient 1.47-oz. Alnico V magnet. Whizzer cone, mounted in center, extends high-frequency response. Cap., 8 watts. Imp., 8 ohms. 1¼ lbs.
39 U 529 M........**1.98**

eplacement Car-Radio Vibrators Priced Low

$1.19 Each

irect replacements for vibrators ed in most car radios. 2⅝x1½" a. U.S. made. 8 oz.
U 257 M. 12-VDC, 3-Prong 1.19
U 258 M. 6 VDC, 4-Prong 1.19

ereo Phone Jacks for Hi-Fi Components

2 for 79¢

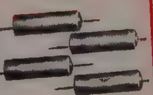
eal for connecting hi-fi components. Takes standard ¼" 2 or 3-cuit plug. 2 oz. Japan.
U 373 M........**Pkg. 2/79¢**

uick-Connect Solderless Banana Plugs

6 for 98¢

sulated plastic body and 4-aved, nickel-plated springs tips. 16". 12 oz.
U 261 M. Red. Pkg. of 6/98¢
U 262 M. Black..Pkg. of 6/98¢

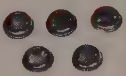
50 Popular-Value Tubular Capacitors



50 for 98¢

a hundred popular values of -impregnated capacitors. All U.S.-made standard brands working voltages from 100 to WVDC. Various physical dimensions. Capacity values and king voltages are clearly marked each unit. Real money-saver! oz.
U 385 M...Pkg. of 50 for 98¢

avings on Cadmium-Sulphide Photocells



8 for $1.98

ntastic buy on CdS solid-state vices. As variable resistors, ey're fine for door and lamp conol, smoke detection, headlight mmers, flame failure detectors, d many other uses. Have 1-ft.-ndle level. Non-polar. For AC or C. Shpg. wt., 10 oz.
9 U 375 M....Pkg. of 8 for 1.98

American AM-26 Stereo Cartridge by E-V

Value plus! $2.49

merican-made Electro-Voice carridge is a universal replacement or ceramic or low-voltage turnover nono/stereo types. Response, 20 o 20,000 cps. Compliance, 1.5x10-6 em/dyne. Separation, 28 db. Has -mil synthetic-sapphire needle. Fits most arms. 2 oz.
39 U 374 M................**2.49**

ALL-NEW! Sensitive VOM with Carrying Case

Amazing Value **$15.95**

Complete with Genuine Leather Carrying Case, Test Leads, and Batteries

- 30,000 Ohms/Volt DC
- 15,000 Ohms/Volt AC
- Accuracy, 5% of Full Scale
- D'Arsonval Movement

You'd expect to pay a lot more! DC volts: 0-3-12-60-300-600-1200. AC volts: 0-6-30-120-1200. DC current: 0-30μa, and 0-3-300 ma. Resistance: 0-16,000-160,000 ohms, and 0-1.6-16 megs. DB's: −20 to +63 in 5 ranges. Recessed nylon range selector. Extra-tension pin jacks. Bakelite case, 5½x3½x1⅜". Leads, case, batteries, instructions. From Japan. 3 lbs.
39 U 372 M..............................**15.95**

Weatherproof 8" Outdoor Speaker

Super Value **$9.95**

Featuring a 40-15,000 cps response, handy volume control and 25-ft. 2-conductor wire, this speaker is great for outside use. Weatherproof steel enclosure has baked-on lacquer finish. 10⅞x10⅞x5⅜". 20 watts. 8 ohms. 6¼ lbs.
39 U 732 MX............**9.95**

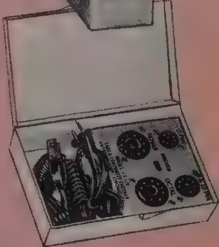
Repairman's Tube Caddy

- 143-Tube Capacity
- Vinyl-Covered Case

$8.45

Fold-out design with room for up to 143 tubes, plus meters and tools. Fold-out top section has cover with snap lock. Brown-vinyl-covered wood. Plastic handle. 12½x16¾x8". 10 lbs.
39 U 678 MX...........**8.45**

Tube and Continuity Checker



- Checks Radio-TV Tubes
- Quick Continuity Test

$1.79

Quickly tests novars, octal, 7, 9 and 10-pin radio-TV tubes and fuses. Also continuity of coils and appliances. With leads, instructions. 115 VAC. 1 lb.
39 U 305 M.............**1.79**

Value-Priced 5" Indoor-Outdoor Paging Speaker

- Completely Weatherproof
- 180° Swing-Swivel Bracket

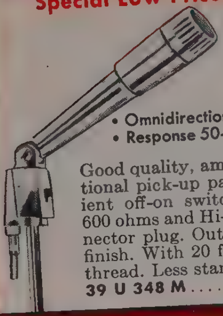
$7.95

Great buy on 5" re-entrant-type speaker. Ruggedly constructed for outdoor use . . . fine indoors, too. 400-7000 cps. Length, 5⅝". 5 watts. Imp., 8 ohms. With 2-cond. wire. From Japan. 2 lbs.
39 U 843 M..................**7.95**

PEN A CREDIT FUND ACCOUNT TODAY

Special Offers from Our Bargain Corner

Special Low Price on Dynamic Mike

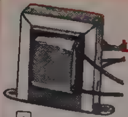


less stand $9.95

- Omnidirectional Pattern
- Response 50-14,000 cps
- Dual-Impedance
- 20-Foot Cable

Good quality, amazing low price! Omnidirectional pick-up pattern covers 175°. Convenient off-on switch and swivel. Impedance: 600 ohms and Hi-Z, achieved by rotating connector plug. Output: −56 db. Satin-chrome finish. With 20 ft. of cable. Standard ⅝″-27 thread. Less stand. From Japan. 3 lbs.
39 U 348 M..............................**9.95**

Low-Cost Replacement Power Transform



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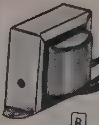


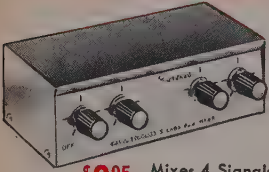
B

As Low As $1.39 An Outstanding Value
Servicemen and Hobbyi

Fully shielded units have heavy-duty 5″ coded leads. Plate windings of Fig A types are half wave, for 6AX5, 6AX 6X5 and similar 6.3 v. filament rectifiers, and for selenium rectifier. Fig B has CT plate winding. 6.3 v. winding not CT. Primary, 110-120 v., 50-60 cycle. Av. shpg. wt., 1 lb.

Stock No.	Fig.	Plate		6.3 V at A	Mtg. Ctrs.	EA.
		V	Ma			
39 U 349M	A	125	15	0.6	2″	1.39
39 U 351M	A	125	50	2.0	3⅛″	2.39
39 U 350M	B	250	25	1.0	2⅜″	1.79

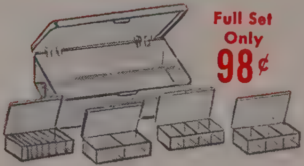
All-Transistor Mike Mixer



$6.95 Mixes 4 Signals into a Single Output

Lets you mix 4 signals from mike, phono, tuner, etc., into single output. Takes standard 2-cond. phone plugs. Standard phono jack output. 6-db gain. Gold finish. 2⅜x6x3½″. With battery. From Japan.
39 U 352 M 4 lbs..............**6.95**

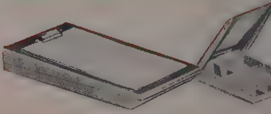
5 Plastic Utility Boxes



Full Set Only 98¢

Tremendous value! A full set of 5 convenient see-through plastic boxes for storing small items. You get boxes with 1, 2, 4, 6 and 8 equal compartments. Each box is 1x4¾x2⅝″, lightweight, and super-strong. Shpg. wt., 10 oz.
39 U 353 M......Set of 5 for .**98¢**

Handy Clip-On Travel Desk



$1.69
- Almost Indestructible
- Eight Compartments

Unlimited uses. Ideal as project b for experimenters. Clipboard hol schematics and notes, compartme tray stores parts. Polypropyle case. Spring clip. 3-year calendar cover. 6¾x10½x1½″. Everybo needs one! 6 oz.
39 U 321 M..................**1.6**

Top-Value Crystal Microphone

$1.98
- Omnidirectional
- Cyclite Case
- Shielded Cable

Reliable hand-held, high-Z crystal mike is fine for tape recordists and hobbyists. −55 db. Less connector. Wt., 2 oz.
39 U 848 M...............**1.98**

Earphone with Plug

59¢ Fits most Portables

Has right-angle plug and 36″ cord. 50-5000 cps. 500-3000 ohms. 0.12″-dia. plug fits most transistor radios. From Japan. 5 oz.
39 U 391 M...............**59¢**

Handy "Mini-Tester"

98¢ Pocket-Size Tester

Neon voltmeter measures AC/DC from 65-800 v. Traces open lines, shorts, blown fuses. Checks radio, TV, appliances. Leads. 4 oz.
39 U 201 M...............**98¢**

12″ and 8″ Speaker-Baffles

12″ $8.95

You Get Speaker and Wall Baffle!

8″ $6.65

Quality speakers in ⅜″ plywood-frame baffles with particle-board front panels and locked corners. Walnut wood-grain cover fabric. Responses: 12″, 35-11,000 cps; 8″, 35-11,000 cps. 10 watts. 8 ohms.
39 U 354 M. 12″. 3.16-oz. magnet. Shpg. wt., 5 lbs..............**8.95**
39 U 355 M. 8″. 2.15-oz. magnet. Shpg. wt., 3 lbs..............**6.65**

Vinyl-Covered Coiled Mike Cord

3-Cond. $1.19

Extends to 5′, retracts to 10″. 3″ lds. One cond. is shielded. Japan.
39 U 356 M. Wt., 8 oz.........**1.19**

Thor-Speedway Tube Fan

Saves Money b Extending Tube Li

Value Plus $2.98

Extends tube life by cooling e velope and seals. Permits bett shielding of equipment. 3200-rp shaded-pole induction motor. blade fan. For 110-120 v., 60 cyc AC. Shpg. wt., 1¼ lbs.
39 U 457 M...............**2.9**

Famous-Brand Zener Diode

2 for 88

A great buy, giving you the chan to build a reserve supply of quali general-replacement diodes. A have 1-2 watt power rating. Tolerance, ±10%. Wt., 2 oz.
39 U 358 M. 3.9 V...Pkg. of 2/88
39 U 359 M. 6.8 V...Pkg. of 2/88
39 U 361 M. 12 V...Pkg. of 2/88
39 U 362 M. 18 V...Pkg. of 2/88
39 U 363 M. 33 V...Pkg. of 2/88

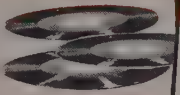
Browse-and-Buy Parts Values Save Money

Miniature Cooling Fan

rmanently lubricated fan si-
ntly dissipates damaging heat.
ngthens life of tubes and parts.
rculates air at 110 cfm. Has 2-
le motor. With venturi, front
d back grilles, hardware, and
rd. U.L. Listed. Only 4¾″
uare. For 110-120 v., 60 cycle
C. Shpg. wt., 1½ lbs.
9 U 048 M.............**8.95**

Allied Price $8.95

3 Stereo Demo Records at a Bargain Price



llied's own records, critically
elected by our audio experts to
est every aspect of your stereo
ystem's performance. You get
hese records: **Set-Up and Equip-
nent Test, Music in Stereo;** and
Aovement in Stereo; Records cover
igh and low-frequency tests,
hannel orientation, full-dimen-
sional music patterns, sounds of
planes cars, etc. 2 lbs.
39 U 010 M..Pkg. of 3 for **3.29**

3 for $3.29

LINCOLN Dual-Cone Speakers

8″ Speaker $5.45

Whizzer Cone Extends Frequency Response

Slim-Line Design for Modern Enclosures

Durable Baked-On Metallic Finish

12″ Speaker $6.45

15″ Speaker $8.75

Have 1½″ voice coils. Plates and ceramic magnet bonded by special epoxy cement. Internal dust cap.

A **8″ SPEAKER.** 40-16,000 cps. 20 watts. 8 ohms. 4″ deep. 13- oz. magnet. 3 lbs.
39 U 632 M..............................**5.45**

B **12″ SPEAKER.** 35-15,000 cps. 25 watts. 8 ohms. 5½″ deep. 13-oz. magnet. 3½ lbs.
39 U 631 MX..............................**6.45**

C **15″ SPEAKER.** 30-14,000 cps. 30 watts. 8 ohms. 6⅛″ deep. 20-oz. magnet. 9 lbs.
39 U 630 MX..............................**8.75**

Fi Cable and Plug-Adapter Kit

**ndispensable Kit for Audio
Fans and Hi-Fi Servicemen** **$1.98**

udes: 72″ shielded cable with phono
; at each end; 9″ shielded cable with
no plug at one end and 2 insulated
ator clips at other end; phono-jack
phone-jack-coupler; adapter from
ne jack to phone plug; insulated
phono-jack coupler; plastic case.
n Japan. Wt., 8 oz.
J 877 M....................**1.98**

Stereo and Mono Crystal Cartridges

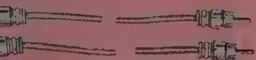
Stereo $1.59

Mono $1.19

STEREO. Directly replaces Vaco ST-2X, 20X, 100X; Astatic 86TSB; E-V 95; Ronette 1, 2, 3, 4, 92, 105's, OV, T. Turnover type. Synthetic sapphire needles. 2-v. output. Bracket for ½-⅝″ mtg. ctrs. From Japan. 2 oz.
39 U 292 M..................**1.59**

MONOPHONIC. Turnover type with synthetic sapphire needles. Replaces Vaco 45X, 55X; Ronette 15, 18, 21; BSR TC8H. 3.6-volt output. With bracket for ½″-⅝″ mtg. ctrs. From Japan. 2 oz.
39 U 291 M..................**1.19**

op-Quality Audio Cables



As Low As 2 for 67¢

-cost boon to the hi-fi enthusi-
Shielded cables have pin plugs
oth ends for easy connection
stem components. 8 oz.
608 M. 18″ Cable Pkg. 2/67¢
609 M. 36″ Cable Pkg. 2/84¢
870 M. 72″ Cable Pkg. 2/98¢

Mallory Alkaline Batteries

All Popular Sizes

-quality manganese alkaline
eries last up to 10 times longer.
are 1.5 v. *Price for package
vo. Av. shpg. wt., 2 oz.

tock No.	Mfr's Type	Size	Price
214M	MN 1300	D	.65 Ea.
216M	MN 1400	C	.51 Ea.
217M	MN 1500	AA	.66*
218M	MN 2400	AAA	.66*
219M	MN 9100	N	.52*

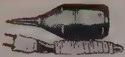
Stereo/Mono Pickup Arms with Cartridges

Mono $1.64

Each arm has turnover cartridge with 2 synthetic sapphire needles. For manual phonos. Styrene body. Shielded cable. Adj. counter-balance spring. Japan. 8 oz.
39 U 580 M. Stereo.........**1.94**
39 U 579 M. Monophonic.....**1.64**

Tape-Head Demagnetizer

$2.69



Removes residual tape-head magnetism. Easy to use—place against tape head, slowly remove. Improves signal-to-noise ratio. For 115v. AC. Japan. 10 oz.
39 U 652 M..............**2.69**

Phono Plug Value

Shielded handle easily removes for easy access when soldering. 1$\frac{3}{32}$″ handle. 5 oz.
39 U 512 M..Pkg. 4/**98¢**

4 for 98¢

Crystal Lapel Microphone

98¢

Amazing low price for good-quality crystal mike. Clips to lapel or pocket. 60-5000 cps. Output —50 db. Hi-impedance. From Japan. 6 oz.
39 U 881 M..........**98¢**

Handy Magnetic Phone Pickup

98¢

Suction cup attaches to phone, other end plugs into recorder or amplifier, for both ends of conversation. Shld. cable. From Japan. 4 oz.
39 U 392 M..........**98¢**

Save Now on Phone Plug Buy

3 for 88¢

Nickel-plated brass plugs with screw terms. 2⅞″ long. ¼″ dia. 12 oz.
39 U 015 M. Blk. Pkg. 3/88¢
39 U 016 M. Red. Pkg. 3/88¢

Popular 2-Conductor Phone Jacks

3 for 59¢

3 for almost the price of one! Open circuit, two-conductor jacks accept standard ¼″ plugs. Wt., 6 oz.
39 U 017 M...Pkg. of 3/**59¢**

Buy at Allied to Enjoy Big Savings

30 Drawers $4.95

13 Drawers $3.65

Invaluable Storage Cabinets for Small Parts

30-DRAWER CABINET. There's no easier, safer way to store small parts. Rigid, *welded* steel frame (9¾x17x6$\frac{5}{16}$" deep) is virtually indestructible. "See-through," non-spill drawers (1¼x2¾x5¾" deep) make selection fast. Each drawer has 1 plastic divider. Label. Carry handle. 9 lbs.
39 U 028 MX............**4.95**

13-DRAWER CABINET. Featu same sturdy, *welded* construct as 30-drawer cabinet. Contains standard-size drawers (1¼x2 5¾"), and one jumbo size dra (8¾x2½x5¾"). Each non- drawer has 1 *plastic* divider. Ov all steel frame size, 9x10x6 With labels, handle. 5 lbs.
39 U 029 M...............**3.**

Buy on Most-Wanted Hardware

5 lbs. for 98¢

- Nearly All Popular Sizes
- Top-Quality, Wide Variety

Hurry! Now you can lay in a large stock of small hardware, and save a pocketful of change. Generous selection includes popular sizes of: nuts, screw, bolts, eyelets, rivets, clamps, springs, grommets, washers, wood and sheet-metal screws. Shpg. wt., 5¼ lbs.
39 U 724 M...............**98¢**

Handy Washer Assortment

2 lbs. for 75¢

Extremely wide assortment includes flat, locking, insulating and other most-often-used washers at a bargain price. Provides the washer you want, when you need it. Shpg. wt., 2¼ lbs.
39 U 398 M...............**75¢**

Value-Pack of Slide Switches

14 for 98¢

A budget-stretching assortment of SPST, SPDT, DPST and DPDT slide switches. Only 7¢ each! Rated ½ to 3 amps, at 125 volts. U.L. Listed. Ideal for the experimenter and hobbyist. Shpg. wt., 9 oz.
39 U 864 M...Pkg. of 14 for 98¢

2 Shielded Phone Plugs

2 for 98¢

- Standard ¼" Size
- ½"-Dia. Slim Barrel

Standard ¼" plug has regular 1½" long, shielded barrel that's only ½" in diameter. Has pre-tinned solder terminals and cable clamp for fast, secure installation. A great buy! Shpg. wt., 6 oz.
39 U 376 M....Pkg. of 2 for 98¢

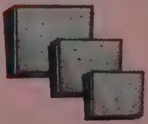
Knight 9-Volt Battery Special

Made in America
Sell at Import Prices

3 for 79¢

No need to get caught short on batteries for your transistor radio when you can get a buy like this. Stock up now at this low, low price! Directly replace Burgess 2U6, RCA VS323, Eveready 216, Marathon 1604, Western Auto 3B469, Montgomery Ward 123, Sears 6417, and many others. Wt., 6 oz.
55 U 999 M....Pkg. of 3 for 79¢

Wall-Mount Speaker Baffles

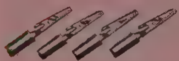


Washable Walnut
Wood-Grain Cover

As Low As $1.98

Great value on wall-mounting wood baffles for housing extension speakers in dens, clubrooms—anywhere! Expert construction and acoustical design. Pyroxylin cover.
39 U 253 MX. For 12" Speakers. Shpg. wt., 5 lbs............**3.95**
39 U 254 MX. For 8" Speakers. Shpg. wt., 4 lbs............**2.95**
39 U 255 M. For 4" to 5" Speakers. Shpg. wt., 1½ lbs..........**1.98**

Alligator Clips/Adapters



4 for 39¢

Quickly adapt banana plug to clip, or accept wire. Screw terminal. ⅜" steel. Shpg. wt., 3 oz. Cadmium-plated jaw opening.
39 U 266 M. Red...Pkg. of 4/39¢
39 U 267 M. Black...Pkg. of 4/39¢

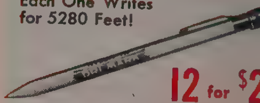
Solderless Phono Plugs

3 for 69¢

Just strip wire, insert wire into shell, then tighten screws. Right-angle design. For shielded cable up to ⅜" diameter. 2 oz.
39 U 260 M....Pkg. of 3 for 69¢

12 Nylon Fine-Tip Mark

Each One Writes
for 5280 Feet!



12 for $2

Nylon tip writes on everyt Colors: Red, Black, Green, Purple, Orange, Brown, Light Light Green, Pink, Yellow, Lt. Brn. 9 oz. **Pkg. of 12.** Jap
39 U 378 M. Asst. Colors....
39 U 379 M. All Black.......

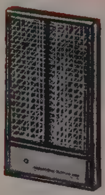
Crimping Tool and Termin

$

Complete with 50 Assorted
Solderless Terminals

Take advantage now of this gain price for an all-purpose that crimps solderless termi and cuts and strips wire. With tool you get 50 assorted solde terminals (insulated and non-i lated). From Japan. 12 oz.
39 U 022 M...............

Special! 9-Volt Solar Cel Battery Eliminator



Uses Sunlight or
100-Watt Bulb

No Wiring or
Soldering Neede

Top Value $7.98

Saves money by converting s light, or light of 100-watt bulb, i 9-volt power for your transistor dio, walkie-talkie, or interc Extends useful life of stand batteries many times over. E operates some radios without b tery. With magic mounting that clings to back of radio, which can be detached and mounted any time. 6 oz.
39 U 021 M...............**7.**

ADD ON TO YOUR ALLIED CREDIT FUN

adio-Controlled Models

B Astro-Guide Low-Cost R/C Outfit

mplete Radio-Controlled Model Airplane Outfit
ne Is of Virtually Indestructible Plastic
ly Assembled, Wired and Checked Out for Flight

s and experienced flyers alike will "have a ball" s complete R/C flying system. Features an all- r pulse-proportional transmitter, battery charger y-to-fly airplane with 44" wingspan.

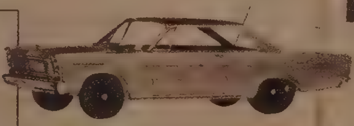
tter controls include pulse-rate button, pulse- tick", trim knob, power switch. Neutral-trim con- mits in-the-air adjustments over ±10% range. ows continuous pulse-width control from 5% to ower input, 100 milliwatts. 40" antenna tele- to cycolac case. Charging jack. 9-transistor circuit er, 7-transistors in transmitter.

indestructible plane is of styrafoam and high- lastic. Powerful .049 cu. in. engine. With recharge- eries, full instructions. Less fuel. 2 lbs.
MU. *$5 Monthly*.......................**69.95**

M. Radio Controls Only. Less plane, engine, charger. es as well as cars, etc. 1½ lbs...............**49.95**

stro-Guide R/C Racing Car Outfit

ransmitter
Included
(Fig. B)



$54.95
$5 monthly

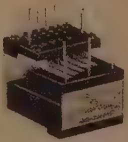
No Track
Required

Proportional Steering • Scale Speeds to 180 mph
o 5 Cars Can be Operated Without Interaction

a "slot" racer! Requires no track, runs on any smooth surface. Through radio control kid around curves, streak down straight-aways. lard 1/25 scale AMT body. Includes car and ctronics fully assembled. (Fig. B, above, right). charger, batteries below. 1 lb.
269 MU. *$5 Monthly*...................**54.95**

y Charger with 4 Nicad Batteries. 1½ lbs.
263 M..................................**9.95**

dio-Control Accessories and Books



L 5-CHANNEL RESONANT REED requency selective. For 5-chan- y and CB tone signalling re- Contact rating, 100-ma at 48 ive power: 1 mw at 100 cps to 800 cps. Freq. tol., ±1%. 6 oz. 1¼".
M. Wt., 8 oz...........**7.95**

5 RC "TORPEDO" ENGINE. For "Taurus" model ed in outfit at right. Less prop, below. Shpg. wt.,
M. *$5 Monthly*.........................**27.95**

NYLON PROP. 11" diameter. Pitch, 6. For K & B e. Wt., 3 oz.
M......................................**1.00**

ADIO CONTROL. (Sams.) Deals with circuits for oats, autos, etc. 192 pages. 5½x8½". Shpg. wt.,
EM.....................................**1.00**

ONTROL MANUAL. (Gernsback.) Step-by-step in- s from basic systems to multi-channel. 11 oz.
EM.....................................**3.20**

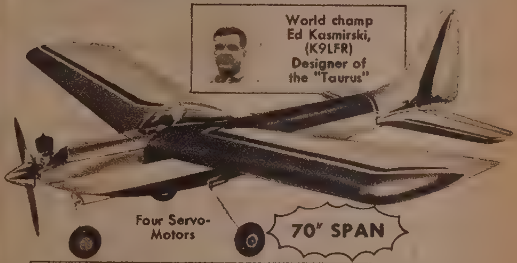
R/C FANS. Allied can supply equipment and accessories from Veeco, K & B, Astro-Guide, and others on Special Order. Write Catalog Sales Dept. for prices and literature.

$69.95
$5 monthly
A
NOT A KIT! READY TO FLY
W-I-D-E 44" WINGSPAN

Advanced Pulse-Proportional Single-Channel Transmitter

Featured in plane and car outfits at left. Cannot be false keyed by CB signals. No license required. 5x10x4".

Top-Flite/Orbit Championship Outfit



PLANE KIT INCLUDED FREE!
"Taurus" Plane Kit, a $29.95 value, is included free with Orbit Proportional Radio Control System

Orbit Proportional R/C System Plus Free Airplane Kit

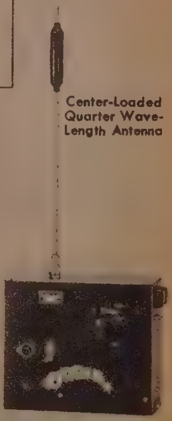
- 750-mw Transmitter for Ham or Class "C"
- Used in National and World Competition

Professional-quality outfit includes complete transistorized Orbit Proportional Control System, *plus* Taurus Plane Kit (designed by a world and national champion). Control "stick" guides plane same as full-size craft: elevators, trim, rudder, ailerons, throttle respond *in proportion* to stick movement. Ham or CB license req'd. for transmitter. Rechargeable batteries. Less engine, prop, paint, glue.

23 U 530 AL2MZ. 11-Meter (Class C) Orbit System and Plane. 10 lbs. **595.00**

23 U 531 ACL2MZF. Ham-Band Orbit System & Plane. 10 lbs. *Specify 6 or 10 meters*. 30 days for delivery....**595.00**

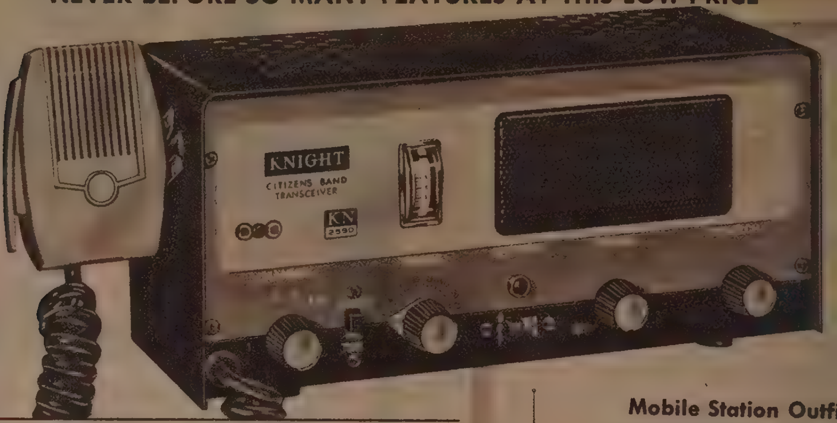
90 U 259 MU. Top-Flite Taurus Plane Kit Only. Less prop., engine. 6 lbs...**29.95**



Orbit Transmitter Offers Better Than Out-of-Sight Range

KNIGHT *Scoops the Industry on CB Val*

NEVER BEFORE SO MANY FEATURES AT THIS LOW PRICE



Made
in
U.S.A.

All New Knight KN-2590 Dual-Power 8-Channel Citizens Band Transceiver

$\$79^{95}$

$5 monthly

- 8 Crystal-Controlled Transmitting Channels
- Superhet Receiver Tunes All 23 Channels
- Solid-State Clipping for 100% Modulation
- Channel 9 Crystals for H.E.L.P. Service.
- Universal 115 VAC/12 VDC Power Supply

Another first from Knight! The KN-2590 includes features optional or not even available on units costing much more. Compare with any transceiver in the $100 price range—you'll agree that the KN-2590 is absolutely your very best buy!

New "Hi-Lo" transmitter power switch permits 100 milliwatt operation for "close-in" or limited range communications; or flip switch to "Hi" and you're on the air with 5 watts input for distant communications at maximum legal power. In addition, special transmitter circuitry boasts higher than average efficiency to give you even greater range.

Provision for crystal control on 8 channels, with one transmit crystal socket on front panel. Superhét receiver also manually tunes 23 channels. With transmit and receive crystals for Channel 9—ideal for H.E.L.P. (Highway Emergency Locating Plan). Solid-state speech clipper provides higher average talk power without exceeding 100% modulation. Pi-net transmitter output for easy loading, channel spotting switch, tuned RF stage, automatic noise limiter, adjustable squelch, illuminated S-meter, fused power supply for base or mobile use.

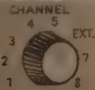
5½x11¼x6¾". Blue finish trimmed with brushed aluminum. With deluxe mobile mounting kit, push-to-talk microphone with coiled cord, AC-DC power cords, Chan. 9 transmit-receive crystals. For 110-125 v., 50-60 cycle or 12 V. DC. 10¼ lbs.

86 U 515 MU. *$5 Monthly* **79.95**

EXTRA CRYSTALS. Specify Channel 1-23. Wt., 3 oz.

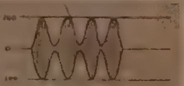
90 U 354 CS. Transmit .... Each **2.50**

90 U 360 CS. Receive .... Each **2.50**

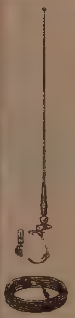


Up to 8 Crystal Controlled Transmit and Receive Channels

"Hi-Lo" Power Switch Lets You Use Exactly the Power You Need



Solid-State Speech Clipper for High Average Talk Power



Mobile Station Outfi
with 102" Whip Anter

Save $6.95 **$\$87^{9}$**

$5 mont

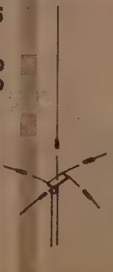
Deluxe mobile outfit for efficie
the-go communications. Inl
Knight KN-2590 CB Transceiver;
102" Stainless Steel Whip;
Mount; Spring; 20-Ft. RG-58/U
Cable; PL-259 Plug. Shpg., wt.,
Express.
23 U 362 AL2MZ. *$5 Monthly*.

Mobile Station Outfit
with AM/CB Whip Ante

Save $5.95 **$\$85^{9}$**

$5 month

Low-cost mobile outfit. Incl
Knight KN-2590 Transceiver; Knigh
CB 50" Telescoping Chrome-Plated
Antenna; Coupler; Cables; Plugs; C
Plated Cowl Mount. One antenna
the job of two—works on AM
CB. 13 lbs. Express.
23 U 858 AL2MZ. *$5 Monthly*. 8



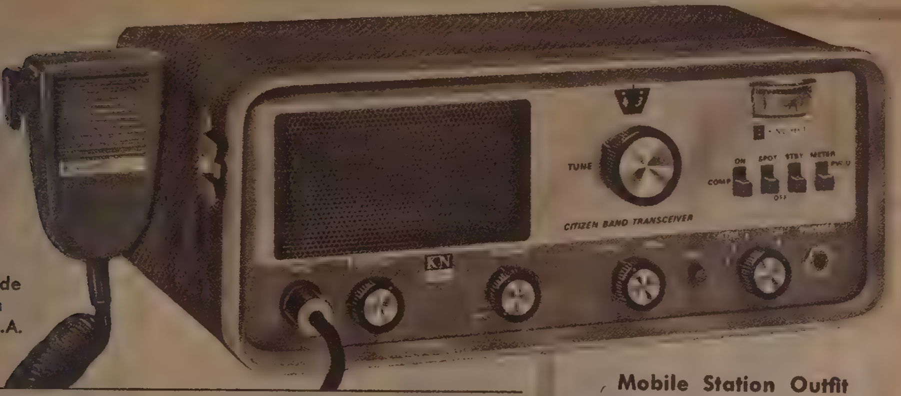
Base Station Outfit wi
Ground Plane Antenn

Save $7.45 **$\$92^{95}$**

$5 monthl

For dependable long-range com
cations. Includes: Knight KN-25
Transceiver; Hy-Gain GP-500 An
50-Ft. RG-58/U Poly-Foam Coaxi
ble; PL-259 Plug. GP-500 has 9' ra
and radials. Fits 1-1⅝" masts. 2
Express.
23 U 856 AL3MZ. *$5 Monthly*. 9

luxe Performance—Moderate Price KNIGHT



de
n
.A.

ew Knight KN-2585 5-Watt 8-Channel 3 Transceiver with "Range Expander"

995

onthly

- 8 Crystal-Controlled Transmitting Channels
- Dual-Conversion Receiver Tunes all 23 CB Channels
- Transmitter Offers 100% Modulation Capability
- "Range Expander" For Maximum Talk-Power
- 2 IF Stages Assure High Selectivity

r 1966, the KN-2585 brings you deluxe performance at a mod-rice. It's filled with the most wanted features and has innova-ou'd expect in units costing much more.

provision for full crystal control on up to 8 channels, plus nel manual receiver tuning. A front-panel switch selects channel, another chooses manual or crystal-controlled receiver On manual tuning, receiver has vernier-type knob and illu-l window that indicates channel in use. Fine tune control accurate calibration on all channels.

et receiver section features nuvistor RF stage for high signal- ratio and 1 uv sensitivity, 2 stages of IF amplification for lectivity. Has adjustable squelch, automatic noise limiter, tic volume control, standby switch.

5-watt transmitter section offers 100% modulation capability, s 30-100 ohm antennas. Ceramic press-to-talk mike cancels kground noise. Slide switch controls "Range Expander" fea-at compresses audio for maximum talk power. Electrical switching eliminates noisy relays. Transistor power supply economical fixed station use, and low-drain mobile operation. ated tinted edge-type RF/S-meter, channel spotting switch.

11x6⅝". Blue finish, charcoal and brushed aluminum panel. ike, AC-DC power cords, Channel 7 transmit-receive crystals. -125 v., 50-60 cycle AC or 12 v. DC. 14 lbs.

4 MU. *$6 Monthly*.. **119.95**

RYSTALS. Specify Channel 1-23. Wt., 3 oz.

6 CS. Transmit.. **Each 2.50**

8 CS. Receive.. **Each 2.50**

Mobile Station Outfit with 102" Whip Antenna

Save $4.95 **$129.95**

$7 Monthly

Includes: Knight KN-2585 CB Transceiver; Knight 102" Stainless Steel Whip; Bumper Mount; Spring; 20-Ft. RG-58/U Coax; PL-259. 22 lbs. Exp.

23 U 526 AL2MZ..... **129.95**

Mobile Station Outfit with AM/CB Whip Antenna

Save $3.95 **$127.95**

$7 Monthly

Includes: Knight KN-2585 CB Transceiver; Knight AM/CB 50" Telescoping Chromed Whip; Coupler; Cables; Plugs; Chromed Cowl Mount. 17 lbs. Exp.

23 U 527 AL2MZ...... **127.95**

Base Station Outfit with Ground Plane Antenna

Save $6.90 **$145.95**

$8 Monthly

Includes: Knight KN-2585 CB Transceiver; Knight KN-2572 Deluxe Ground Plane; 100-Ft. RG-58/U Foam Coax Cable; PL-259 Plug. 22 lbs. Exp.

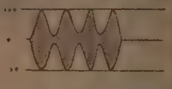
23 U 528 AL3MZ..... **145.95**

ning Control
ccurate 23-
l Calibration

Tinted No-Glare Meter Reads S-Units and Relative RF Output

Up to 8 Crystal-Controlled Transmit-Receive Channels

4 Slide Switches Control Meter, Standby, Spot, Range Expander



Solid-State Speech Clipper for Higher Average Talk Power

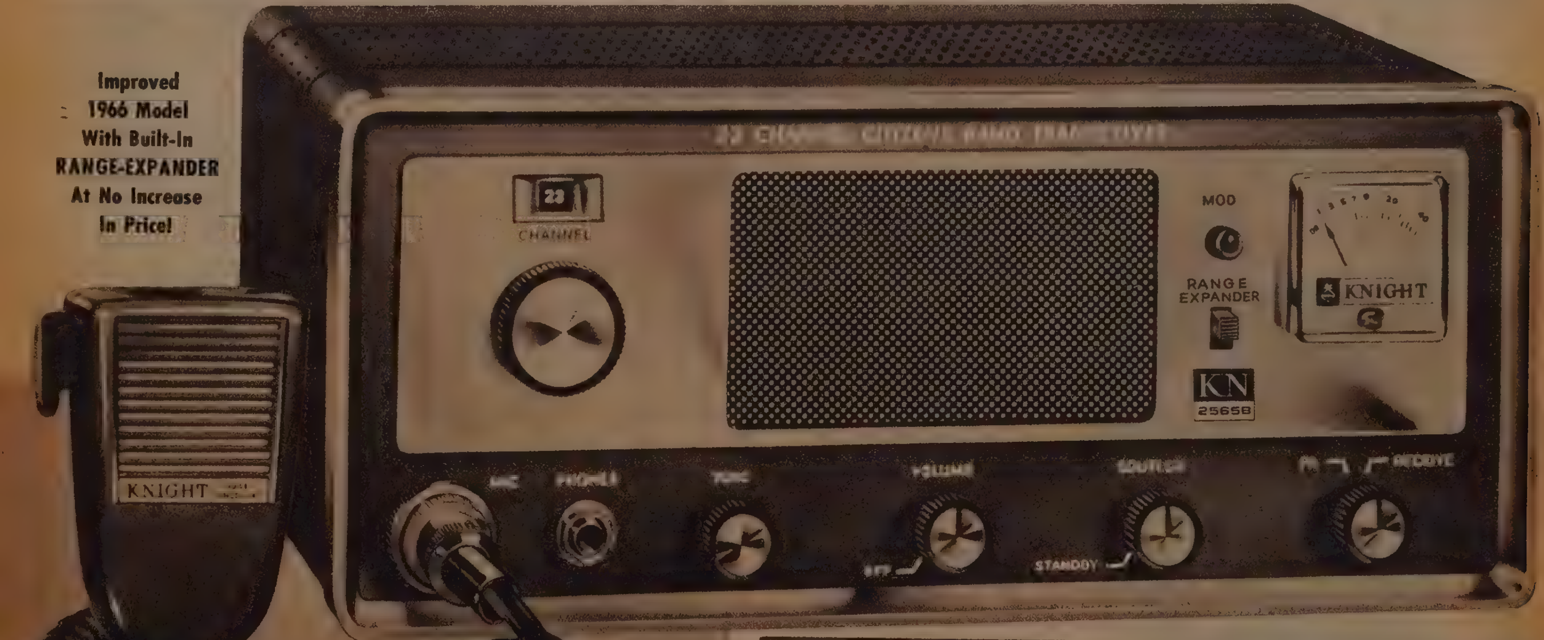
KNIGHT

CITIZENS 2-WAY RADIO

Our Finest 23-Channel Citizens Band Transceiver

READY TO USE ON ALL CHANNELS WITH CRYSTAL-CONTROLLED TRANSMIT-RECEIVE

Improved 1966 Model With Built-In RANGE-EXPANDER At No Increase In Price!


23
CHANNEL
MOD
RANGE EXPANDER
KNIGHT
KN 2565B
STANDBY
KNIGHT

Made in U.S.A.

$169^{95}

SEE HOW POPULAR ELECTRONICS MAGAZINE SCORES THE KN-2565 ON PERFORMANCE . .

"On-the-air performance of the KN-2565

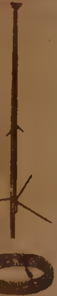
BOX SCORE

	Excel-lent	Good	Fair	Poor
Talk Power	✓			
Selectivity		✓		
Sensitivity	✓			
Squelch	✓			
Noise Limiting	✓			

$13.90

OFF PRICES OF ITEMS PURCHASED SEPARATELY

On special outfits with KN-2565B and quality antenna or P.A. speaker

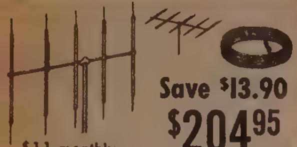


Save $10.90

$191.95 $10 monthly

Base Station with Ground-Plane Antenna

Includes: **KN-2565B Transceiver; Knight Omnidirectional Ground-Plane Antenna; 100′ RG-58U Coax; PL-259 Connectors.** 17′ radiator. 33¾ lbs. Shpd. express.
23 U 786 AL3Z.... 191.95



Save $13.90

$204.95

$11 monthly

Beam Antenna Base Outfit

Includes: **KN-2565B Transceiver; Knight 5-Element Beam; 100′ RG-58/U; PL-259s.** Directional beam usable vertically or horizontally. 12.3 db gain, 25 db F/B. 39¾ lbs. Express.
23 U 787 AL3Z............204.95

$176 monthly

Mobile Station with AM/CB Whip Antenna

Includes: **KN-2565B Transceiver; Knight AM/CB Cowl-Mount Telescoping Whip with Coupler & Cables.** Base-loaded whip serves AM *and* CB. 21¾ lbs. Shipped express.
23 U 784 AL2Z.... 176.95

Save $5.95

$178.95 $9 monthly

Mobile Station with Stainless 102″ Whip

Includes: **KN-2565B Transceiver; Knight Stainless Steel Whip, Spring, Bumper Strap; 20′ RG58/U; PL259; Whip Hold-down Clip.** 27¾ lbs. Shpd. Express.
23 U 785 AL2Z..... 178.95

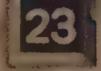
Save $6.67

$179.95

$9 monthly

Public Address Outfit

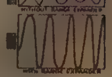
Equips you for paging, other P.A. work. Includes: **Knight KN-2565B Transceiver; Electro-Voice Weatherproof PA-7 Horn Speaker with Universal mtg. bracket.** Exp. 19 lbs.
23 U 788 AL2Z............179.95



Frequency Synthesizer Covers All Channels, No Crystals to Buy

Has Combination Modulation Indicator and Receive Monitor

Front Panel Switch Selects CB or P.A. Mode (P.A. speaker optional)



Range-Expander Boosts Modulation for More "Talk Power"

Improved KN-2565B 5-Watt Transceiver

WITH BUILT-IN RANGE-EXPANDER PLUS P.A. CIRCUIT

$169.95

$9 monthly

- **Built-In Solid-State Power Supplies for 115 VAC and 12 VDC Operation**
- **Even Pulls In Stations That Are Off-Frequency**
- **Noise-Canceling Mike**
- **Self-Regulating Automatic Noise Limiter**
- **Transmitter Standby Switch**
- **Dual-Conversion Receiver**
- **10 Tubes, 12 Diodes, 2 Transistors**

Our new KN-2565B has all the deluxe features that made the KN-2565 famous, *plus* a built-in Range-Expander. Improved for 1966, but still offered at the same low price . . easily outperforms many transceivers priced at well over $200.00. Built for dependable communications as a mobile station or as a base station. Comes to you ready to operate on every CB channel. Frequency-synthesis circuit gives you crystal-controlled transmitting and receiving on all 23 channels . . no extra crystals to buy. No time is lost in tuning or crystal changing. Just turn the selector to any desired channel, and an illuminated window shows the channel in use . . a real convenience to mobile users.

Dual-conversion superhet receiver has a sensitivity of 0.5 microvolts or better for a 10-db signal-to-noise ratio. Also boasts delta tuning circuit to pull in signals as much as 3 kc off frequency. Adjustable squelch silences speaker between calls. Standby switch keeps tube filaments warm, but shuts off high-voltage to reduce power consumption. Self-regulating automatic noise limiter. Built-in speaker, plus headphone jack.

Full-power 5-watt transmitter offers 100% modulation capability. New *Range-Expander* (switchable) lets you boost "talk power" to increase transmitter range. Modulation indicator lamp. Pi-network output circuit matches any CB antenna. Illuminated panel meter shows relative RF power output and signal strength of received stations in S units. Channel 9 for H.E.L.P. communications marked in red on dial. Push-to-talk mike.

Audio circuit even serves as a 2.5-watt public address amplifier with optional speaker (listed below). In public address function, the modulation indicator monitors while you page . . lamp lights when a station calls on your channel, prevents missed calls during P.A. use. Built-in transistorized power supply for 110-120 v., 50-60 cycle AC (for fixed station use) or 12 v. DC (for mobile use). Channel tuner easy to reach by driver. Cabinet styled in blue and brushed aluminum. Size, 7½x13⅜x5½″. With AC and DC power cords, noise-canceling push-to-talk microphone with coiled cord, crystals for 23 channels, universal mobile mounting clips. Shpg. wt., 8¾ lbs.

86 U 859 X. *$9 Monthly* **169.95**
57 U 819 X. E-V PA-7 Horn-Type P.A. Speaker. Weatherproof. Shpg. wt., 3¼ lbs....... **16.67**

Solid-State CB Transceivers with Free Ante

RAYTHEON

New TWR-7 Mobile Transceiver

Solid-state transceiver is the smallest we've ever offered. Perfect for under-dash mounting. Provision for up to 5 crystal-controlled transmit-receive channels. Tip-touch channel selector, with channel numbers shown on panel. Usable as P.A. amplifier with any suitable external speaker. Receiver has sensitivity of 1 microvolt for 6-db signal-to-noise ratio. Noise limiter prevents or reduces ignition interference. Adjustable squelch, low-drain standby. Good adjacent-channel rejection.

Transmitter has full 5-watt input, 100% modulation capability, modulation indicator lamp. 40-75 ohm output. 1½x6¼x8". With crystals for one channel, PTT mike, brkt. For 12 v. neg. grd. DC only.

23 U 546 AL2Z. With KN-2576 102" Whip Antenna. 10 lbs. *$7 Monthly*....... **129.95**

23 U 547 AL2X. With KN-2575 AM/CB Antenna. 6 lbs. *$7 Monthly*.......... **129.95**

23 U 548 AL2X. With KN-2577 Car-Top Whip. 5 lbs. *$7 Monthly*.......... **129.95**

FREE!

One of the 3 antennas below, when you buy any transceiver on this page

Save $14.95

102" WHIP AND BUMPER MOUNT

Knight KN-2576 Stainless Steel Whip with spring, bumper mount, coax, plug.

Save $11.95

CB/AM WHIP

Knight KN-2575 Whip Antenna receives AM and CB without switching. With coax, plugs.

Save $9.95

44" CAR-TOP WHIP

Knight KN-2577 Stainless Steel Base-Loaded Whip, roof-top mount, coax, plug.

hallicrafters

New!
hallicrafters

CB-12 Mobile Transceive

Deluxe transceiver with built-
system that's especially usefu
struction work, farm and bo
vision for up to 12 crystal-
transmit-receive channels. Du
sion receiver has excellent i
adjacent-channel rejection.
less than 1 microvolt for 10-db
noise ratio. Series-type noise lin
prevent ignition and other
interference. Squelch circuit.

Three-stage, 5-watt transmit
100% modulation capability.
networks help prevent interf
nearby TV sets. Output, 50 ohn
9½". With crystals for one ch
push-to-talk ceramic mike. For
only.

23 U 544 AL2Z. With KN-2576
Antenna. 24 lbs. *$9 Monthly*....

23 U 549 AL2X. With KN-2575
tenna. 19 lbs. *$9 Monthly*......

23 U 545 AL2X. With KN-2577
Whip. 17 lbs. *$9 Monthly*......

MESSENGER III

Johnson "Messenger III" Transceiver

- **Up to 11 Crystal-Controlled Channels** • **Dual Conversion**
- **Usable as P.A. Amplifier While Continuing to Receive**
- **Low Current Drain 18-Transistor Circuit** • **Dynamic Mike**

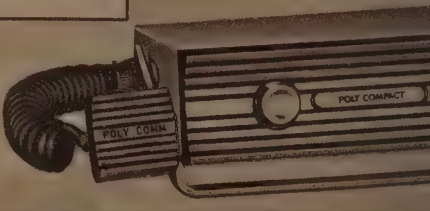
All-transistor transceiver offers outstanding performance on up to 11 crystal-controlled transmit-receive channels. Dual-conversion receiver has high first-IF of 4.3 mc for excellent spurious signal and image rejection. 2-stage adjustable squelch. Designed for minimal need of control adjustment. 5-watt transmitter input with 100% modulation capability. Offers switch-controlled changeover to 3-watt P.A. system while continuing to receive incoming calls. 50-ohm output. 2³⁄₁₆x6³⁄₁₆x8¾". With push-to-talk dynamic mike, crystals for one channel, mounting bracket. For 12 v. DC; optional AC supply below.

23 U 321 AL2Z. With KN-2576. 17 lbs. *$10 Monthly*. **189.95**

23 U 320 AL2X. With KN-2575. 12 lbs. *$10 Monthly*. **189.95**

20 U 425 AL2X. With KN-2577. 14 lbs. *$10 Monthly*. **189.95**

86 U 498 X. AC Supply. 110-120 v., 60 cycle. 5 lbs.... **29.95**



POLYTRONICS

New "PolyCompact" Tran

- **Up to 11 Crystal-Controlled Transmit-Receive C**
- **Ultra-Compact Cabinet** • **May Be Used as P.A.**
- **Dual-Conversion Receiver** • **15 Silicon Transisto**

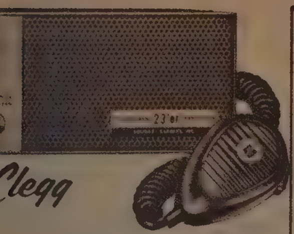
Ultra-compact transceiver (only 6" wide) with
case and matching mike enhances the dash of
Provision for up to 11 crystal-controlled transm
channels. Boasts 15 highly-stable *silicon* transistors
that draws only 150 ma on receive. Doubles as P
on car or boat. Dual-conversion receiver has sens
0.2 microvolt for 10 db signal-to-noise ratio. Inclu
tive Collins mechanical filter, noise limiter, a
squelch. Transmitter delivers 5 watts input. Impe
ohms. 1⅞x6x7¼". With crystals for one channel,
talk mike, mounting bracket. For operation from
(negative ground systems) only.

23 U 860 AL2Z. With KN-2576. 12¾ lbs. *$10 Month*

23 U 861 AL2X. With KN-2575. 5¼ lbs. *$10 Month*

23 U 862 AL2X. With KN-2577. 5¼ lbs. *$10 Month*

Feature Compact Design For Easy Installation



Clegg

23-Channel Transceiver

ransceiver provides crystal con-
ransmit-receive on all 23 CB
. Excellent for car or boat. High-
5-watt transmitter has carrier
y tolerance of ±.005%. Modula-
0% from 200 to 2000 cps. Built-
n booster clips and filters audio
ase average percentage modula-
extra range. Pi-network output
30 to 75-ohm antennas.

receiver has crystal filter, noise
adjustable squelch. Selectivity,
ow 9 kc and 60 db below 26 kc.
ty, 0.5 microvolt for 10 db S/N.
image and IF rejection. 8x7x
h push-to-talk mike, all crystals.
DC (negative ground). Optional
er supply, below.

AL2Z. With KN-2576 102″ Whip
13 lbs. *$12 Monthly*......**234.95**

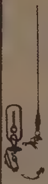
AL2X. With KN-2575 AM/CB An-
bs. *$12 Monthly*.........**234.95**

AL2X. With KN-2577 Car-Top
bs. *$12 Monthly*.........**234.95**

X. 115 v. AC Supply. 2 lbs. **24.50**

FREE!

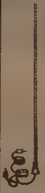
Any one of the 3 antennas below, when you buy any transceiver on this page



Save $14.95

102″ WHIP AND BUMPER MOUNT

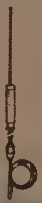
Knight KN-2576 Stainless Steel Whip with spring, bumper mount, coax, plug.



Save $11.95

CB/AM WHIP

Knight KN-2575 Whip Antenna receives AM and CB without switching. With coax, plugs.



Save $9.95

44″ CAR-TOP WHIP

Knight KN-2577 Stainless Steel Base-Loaded Whip, roof top mount, coax, plug.

hallicrafters

New Hallicrafters CB14 23-Channel Transceiver

- Low-Drain 20-Transistor Circuit
- Sensitive Dual-Conversion Receiver
- May Be Used As a P.A. Amplifier

Professional-quality transceiver has frequency-synthesizer circuit for reliable crystal-controlled transmit-receive on all 23 Citizens Band channels. Has built-in power supply for low-battery-drain operation from 12-VDC auto, truck or boat system. Doubles as 3.5-watt P.A. hailer with any external speaker. 20 transistors, plus 11 diodes.

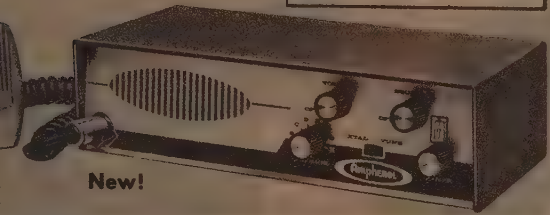
Five-watt transmitter has speech booster to provide clipped and filtered audio for greater range. Pi-network output matches 30 to 75-ohm antennas.

Dual-conversion superhet receiver has a sensitivity of less than 1 μv for 10 db signal-to-noise ratio. Crystal filter contributes to selectivity. Outstanding image and IF rejection. Has full-time automatic noise limiter to overcome ignition and other pulse-type interference. Adjustable squelch quiets receiver during standby. Handsomely designed case. Illuminated window shows channel in use. Size, 9x3⅞x7¾″. With push-to-talk ceramic mike, all crystals, and mounting bracket. For 12 v. DC (negative ground) only.

23 U 863 AL2Z. With KN-2576 102″ Whip Antenna. 15 lbs. *$13 Monthly*......**249.95**

23 U 864 AL2X. With KN-2575 AM/CB Antenna. 10 lbs. *$13 Monthly*..........**249.95**

23 U 865 AL2X. With KN-2577 Car-Top Whip. 10 lbs. *$13 Monthly*.........**249.95**



New!

HENOL

510B Transceiver with AC/DC Supply

Only Solid-State Transceiver with AC/DC Power Supply Built-in
Up to 8 Crystal-Controlled Channels, plus 23-Channel Receive
Low Power Drain 18-Transistor Circuit • Dual-Conversion Receiver

r only solid-state transceiver with built-in AC/DC power supply for
base station versatility. Solid-state circuit makes possible a small
hing only 11 lbs. that can stand rough mobile use. Never any tubes
. Has provision for 8 crystal-controlled transmit-receive channels,
23-channel receiver tuning. Dual-conversion receiver has ½-micro-
itivity. Adjustable squelch quiets background noise. Automatic
iter reduces ignition interference. 5-watt transmitter has speech
at 95% modulation. 50-ohm output. 3⅛x11⅜x5⅜″. With press-
ynamic mike, crystals for channel 11, mobile mounting bracket and
DC power cords. For 12 v. DC (negative ground) and 110-120 v. or
cycle AC.

AL2Z. With KN-2576 102″ Whip. 14 lbs. *$10 Monthly*.......**199.95**

AL2X. With KN-2575 Antenna. 9 lbs. *$10 Monthly*..........**199.95**

AL2X. With KN-2577 Antenna. 8 lbs. *$10 Monthly*..........**199.95**

H.E.L.P.

GIVE
YOUR
FAMILY
ADDED
SECURITY
ON THE
HIGHWAY

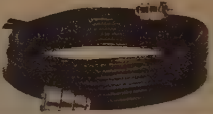
MOTORISTS: Enjoy your trips more. Directions or assistance are as near as your 2-way radio with the new Highway Emergency Locating Plan operating on Citizens Band Channel 9.

ur New Transceiver on Allied's Credit Fund Plan

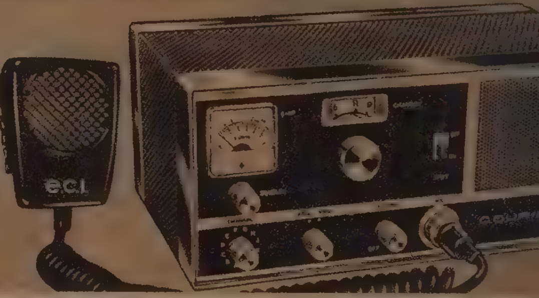
Our Most Popular Car and Home 2-Way Ra

Save $5.50

50 ft. of RG58/U Polyfoam Coax Cable with Two PL-259 Connectors



FREE! With Your Purchase of
Citizens Band Transce
Offered on This Pag



Johnson "Messenger I" with Free Cable Bonus

$114.95
$6 monthly

- Up to 5 Crystal-Controlled Channels
- 5-Watt Input
- Adjustable Squelch
- ANL
- AC and DC Power Supplies

Rugged, performance-proven transceiver boasting sensitive superhet receiver with automatic noise limiter and adjustable squelch. Transmitter operates at a full legal 5-watt input, fully modulated. Provision for and switch selection of up to 5 crystal-controlled transmit/receive channels, plus two function indication lights. Chrome trimmed case, 5⅝x7x11⅜". With P-T mike, AC and DC power cords, transmit and receive crystals for one channel and FREE 50-ft. RG58/U cable and connectors. For 110-120 v., 50-60 cycle AC or 12 v. DC. 18 lbs.

23 U 300 AL2X. Transceiver and Cable..........**114.95**
90 U 416. Under-Dash Mobile Mtg. Kit. 1¼ lbs........**2.50**

E.C.I. "Courier 12" with Free Cable B

$109.50
$6 monthly

- Up to 12 Crystal-Controlled Cha
- 100-mw Input for Limited Rang
- Transistorized AC/DC Power Su

Flick of switch offers choice of fully modulatec
input for licensed CB or 100-mw input for "clo
limited range communications. AC/DC power
provision for 12-channel crystal-controlled trans
receive, 23-channel tunable superhet receiver, pi-
coupling, adjustable squelch and bandspread, S
meter, relative modulation indicator, ANL and he
jack. 4¾x12⅜x7½". Push-to-talk mike, AC and D
mobile mtg. bracket, transmit and receive cry
channel 9, FREE 50-ft. RG58/U coax and con
For 110-120 v. AC or 12 v. DC. 17½ lbs.

23 U 874 AL2X. Transceiver and Cable..........

$99.95 With FREE Cable Bonus
$5 monthly

Hallicrafters CB-7 Transceiver With Free Cable Bonus

For mobile or base use. Features provision for 6 crystal-controlled transmit/receive channels. 5-watt transmitter has 100% modulation capability. 5x12x7". With push-to-talk mike, AC and DC power cords, mobile mtg. bracket, transmit and receive crystals for ch. 11, FREE 50-ft. RG58/U cable, connectors. For 110-120 v., 50-60 cycle AC or 12 v. DC. 16¾ lbs.

23 U 302 AL2X. CB-7 and Cable......**99.95**
90 U 417. S-Meter Kit. 2 lbs..............**8.95**
86 U 564X. VFO. Shpg. wt., 1 lb.......**14.95**

$99.95
$5 monthly
With FREE Cable Bonus

Multi-Elmac "Citi-Fone 9
With Free Cable Bonus

Rugged AC/DC-powered unit offers
controlled transmit and receive on
nels. 5-watt transmitter has adjus
network output and modulation i
Superhet receiver has ASG noise
transistorized adjustable squelch an
4½x11x8". Push-to-talk mike, AC
power cords, transmit and receive
for one channel, mobile mtg. bracket
50-ft. RG58/U cable, connectors. F
120 v. AC or 12 v. DC. 14 lbs.

23 U 883 AL2X. "99" and Cable......

H.E.L.P.
GIVE YOUR FAMILY ADDED SECURITY ON THE HIGHWAY

Travelers: 2-way radio brings you emergency aid on CB channel 9

ALL CB TRANSCEIVERS ON THESE 2 PAGES CAN BE USED IN H.E.L.P. PRO

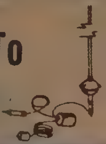
**Under this new plan, volunteer citizen teams, police agencies, road service stations and hospital emergency rooms continuously moni
nel 9. Motorists can use it to summon aid**

For Extra Transmit and Receive Crystals, See Pag

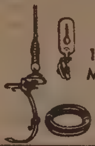
US Special Money-Saving Bonus Offers

REE! Your Choice of Antenna When You Buy Any Transceiver on This Page

ve Up To
$24.59



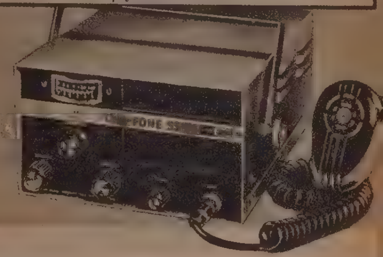
Knight KN-2575 50″
CB/AM Telescoping
MobileWhipAntenna
Save $11.95



Knight KN-2576
102″ Stainless Steel
MobileWhipAntenna
Save $14.95

Antenna Specialists
MC-27 9-ft. Ground
Plane and Coax
Cable
Save $24.59

YOUR CHOICE
$169^50
$9 monthly
With Choice of Antenna Bonus



co "Sentinel 23" with Antenna Bonus

les crystal-controlled transmit and receive on all channels. Has AC/DC power supply for mobile or tation use. 5-watt transmitter has 100% modulation ty and RF output/modulation indicator. Super-ceiver features adjustable bandspread and squelch, limiter, S-meter, headphone jack. 4¾x12x7½″. push-to-talk mike, all crystals, AC and DC power mobile mtg. bracket. For 110-125 v. AC or 12 v. DC.

358 AL3Z. With MC-27 and cable. 26 lbs... **169.50**
381 AL2X. With KN-2575. 19 lbs.............. **169.50**
382 AL2Z. With KN-2576. 25½ lbs............ **169.50**

Multi-Products SS Citi-Fone—Antenna Bonus

Features crystal-controlled transmit and receive on all 23 CB channels, plus AC/DC power supply for mobile or base station use. Superhet receiver has ASG noise limiter, adjustable squelch, pi-network, S-meter. 5-watt transmitter has relative RF output meter. 8x11x4¼″. With push-to-talk mike, transmit and receive crystals for 23 channels, mobile mtg. bracket, AC and DC power cords. For 110-120 v. AC or 12 v. DC.

23 U 318 AL3Z. With MC-27 and Cable. 24 lbs... **169.50**
23 U 322 AL2X. With KN-2575. 14¾ lbs............ **169.50**
23 U 323 AL2Z. With KN-2576. 23 lbs.............. **169.50**

YOUR CHOICE
$189^50
$10 monthly
With Choice of Antenna Bonus

.I. "Contact-23" with Antenna Bonus

crystal-controlled transmit and receive on all 23 els. Dual-conversion superhet receiver has mechan-ndpass filter, ANL, AVC, adjustable squelch and read. 5-watt transmitter has speech compressor -100 ohm antenna matching. Also: RF/S meter, one jack, provision for use as 3-watt mobile/fixed ystem. 5x13½x8¼″. With P-T mike, transmit and crystals for all 23 channels, mobile mtg., AC and rds. For 110-120 v. AC or 12 v. DC.

78 AL3Z. With MC-27 and Cable. 31¾ lbs. **189.50**
79 AL2X. With KN-2575. 22¼ lbs............ **189.50**
80 AL2Z. With KN-2576. 28¾ lbs............ **189.50**

E.C.I. "Courier 23" with Antenna Bonus

Incorporates frequency synthesizing circuit for 23-channel crystal-controlled transmit and receive. Dual-conversion superhet receiver provides 0.25 μv sensitivity for 10 db S/N ratio; has adjustable squelch and bandspread. Fully modulated 5-watt transmitter has pi-network; converts to 3½-watt P.A. system. 4¾x12⅜x7½″. With push-to-talk mike, transmit and receive crystals for all 23 channels, mobile mtg. bracket, AC and DC power cords. For 110-120 v. AC or 12 v. DC.

23 U 315 AL3Z. With MC-27 and Cable. 26 lbs... **189.50**
23 U 316 AL2X. With KN-2575. 17¼ lbs.......... **189.50**
23 U 317 AL2Z. With KN-2576. 23¾ lbs.......... **189.50**

nson "Messenger II" with Antenna Bonus

pact mobile or base station unit with provision for up to ystal-controlled transmit and receive channels. Fully lated 5-watt transmitter and 23-channel tunable super-eceiver. ANL, AVC, adjustable squelch. 5⅝x7x11⅜″. push-to-talk mike, transmit and receive crystals for hannel. For 110-120 v. AC or 12 v. DC.

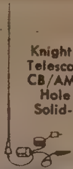
875 AL3Z. With MC-27 and Cable. 25 lbs...... **169.95**
876 AL2X. With KN-2575. 18½ lbs.............. **169.95**
877 AL2Z. With KN-2576. 25 lbs................ **169.95**

With FREE Antenna Bonus
$169^95
$9 monthly

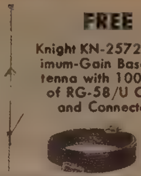
Buy a Deluxe Transceiver, Get Free Bonus!

FREE ANTENNA
With Purchase of
Sonar FS-23 or
General MC-8
Transceiver

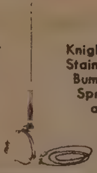
FREE
Knight KN-2575 50″ Telescoping Whip for CB/AM with Cable, 1-Hole Body Mount, Solid-State Coupler



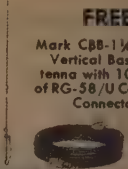
FREE
Knight KN-2572 Maximum-Gain Base Antenna with 100 Feet of RG-58/U Coax and Connectors

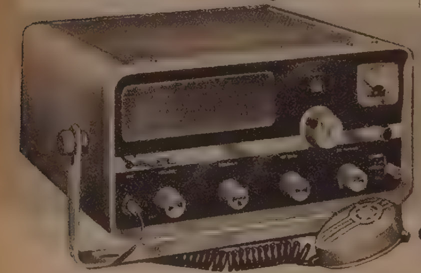


FREE
Knight KN-2576 102″ Stainless Steel Whip, Bumper Mount, Ball, Spring, Clip, Coax and Connector

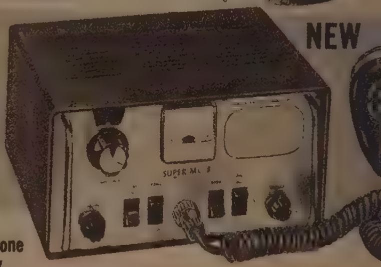


FREE
Mark CBB-1¼-Wa
Vertical Base An
tenna with 100 Fe
of RG-58/U Coax a
Connectors




23-Channel Transmit and Receive

Sonar



24-Channel Transmit and Receive Capability

General Radiotelephone Company

FS-23 5-Watt Transceiver and Antenna

Frequency synthesis for 23-channel crystal-controlled transmit and receive. Dual-conversion receiver has 0.35 µv sensitivity for 10 db S/N ratio; ±2.5 kc selectivity at 6 db down; automatic gain control; variable squelch; RF gain and incremental tuning controls; calibrated S-meter; 3x5″ speaker; ext. speaker jack. Press-to-talk transmitter has 5-watt input; 100% modulation capability; excellent stability and accuracy. Accessory VOX and 2-tone squelch units, below. 5¾x11¾x11¾″. With mike, power cables, brackets, crystals for 23 channels and **Free Antenna.** Low-noise power supply for 110-120 v., 60 cycle AC and 12 v. DC. *$15 Monthly.*

23 U 328 AL2X. With Knight KN-2575. 17 lbs. **299.50**
23 U 329 AL3X. With Knight KN-2572. 29 lbs. **299.50**
23 U 347 AL2Z. With Knight KN-2576. 29 lbs. **299.50**
23 U 348 AL3Z. With Mark CBB-1. 23 lbs. **299.50**
86 U 480. VOX Unit for FS-23. 2 lbs. **39.95**
86 U 481. 2-Tone Squelch for FS-23. 2 lbs. **49.95**

Super MC-8 5-Watt Transceiver and Ant

23-Channel CB capability plus C.A.P. (26.620 mc)
mit/receive; 1 crystal per channel for both transmi
receive—crystals mount in nylon "Turretuner" ch
selector. Dual-conversion receiver has 0.5 µv sensi
for noise 10 db down; selectivity, 6 kc at 10 db dow
power meter; paging/monitoring; variable squelch;
tone switch; range switch; 11 tuned circuits. Clamp
modulator for continuous 100% modulation; mike pr
moisture/shock-proof mike cartridge. 4½x8½x11″.
mike, power cords, 1 crystal, **Free Antenna.** For 115
cycle AC/12 v. DC. *$10 Monthly.*

20 U 430 AL2X. With Knight KN-2575. 18 lbs. **19**
20 U 431 AL3X. With Knight KN-2572. 26½ lbs. **1**
20 U 432 AL2Z. With Knight KN-2576. 23 lbs. **1**
20 U 433 AL3Z. With Mark CBB-1. 28 lbs. **1**
90 U 405 CF. Extra Transmit/Receive Crystals. *Specif*
1-23 or C.A.P. Allow 30 days. 3 oz. . . . . **Each**
86 U 519. MH-1 Mobile Mounting Bracket. 4 lbs. . . . .

DEMCO
SATELITE
4 Individual Units—Transmitter, Receiver, Speaker and SWR/Power Meter

An Allied Special

FREE!

Electro-Voice
Model 664
Dynamic Mike

Get. $49.98 Mike Free!

with Demco
Satelite Purchase

Demco 4-Piece Base Station and Free Mike

Deluxe CB communications setup. Dual-conversion receiver has: 0.1 µv sensitivity; cascode RF; AVC; local-distance switch; series-gated noise limiter; variable squelch; 3-watt audio; 2½″ S-meter; 5 fixed-receive channels with bandspread; 23-channel continuous tune. 5-watt transmitter has: 23-channel crystal-control capability; 100% Heizing modulation; calibrate switch; modulation indicator; front-panel pi-network antenna tuning; 2½″ plate meter; remote receiver-control jack. Both units, 6x11x7¼″. Matching speaker, 6x6x6½″. SWR/power meter has dummy load for RF; measures forward antenna current, relative SWR. 3½x3½x4½″. With channel 9 crystal, **Free Mike.** For 110-125 v., 60 cycle AC. 26 lbs.

23 U 332 AL2U. *$15 Monthly* **295.00**
86 U 604 CS. Extra Trans. Crystal. *Specify Chan. 1-23* . . . **2.50**
41 U 976. Amphenol MC4M Connector. For mike. 2 oz. . . **90¢**

NEW

Doubles Y
"Talk-Power"—CB or Amat

Demco Model VM-12-12 Power Modulator

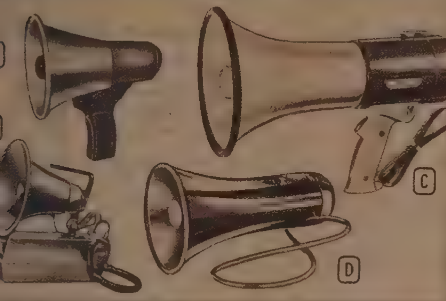
Audio compressor/amplifier m
your signal more than twice as
able without increasing wattage
put. For any mike and transm
rated to 1 kw. No internal connec
—mike plugs into modulator (Am
nol 91MC4M connector supp
modulator to transmitter mike so
Gain control; in-out switch to by
modulator. With power cable for
120 v., 60 cycle AC; optional
for 12 v. DC mobile use. below.
12 lbs.

89 U 347 X. *$5 Monthly* **41**
86 U 406. DC Cable. 1 lb. . . . .

Use Your Credit Fund to Buy These Outstanding CB Va

ower Megaphones, CB Crystals, Business Radio

ulti-Purpose, Portable Power Megaphones



MESSENGER 202
VOLUME
JOHNSON
OFF SQUELCH

For Anyone in Any Type Business

As Easy As CB Radio to Install

Costs Less Than FM—Needs Less Maintenance

OLMIN A-12 VOICE GUN. 3-transistor; 500-yard range; ess-to-talk; carrying strap. Horn diameter, 7¼″. Less ries, requires 8. Wt., 6 lbs.
319 X. *$5 Monthly* **89.96**
867. Batteries. Takes 8. 3 oz. .... **Pkg. of 4 for 52¢**

IIVERSITY PP-IT "POWRPAGE." 25 watts; transistorized; 00-yard range; use with record player for music; over" feature; switch for directional listening; strap; . Less batteries. 15 lbs.
301 X. *$9 Monthly* **179.70**
853. Batteries. Takes 4. 2 lbs. .... **Each 85¢**

NON MV-8B MEGAPHONE. 5-transistor; 8 watts; 600-rd range; pistol grip; waterproof mike; volume con-strap; 9″ dia. Less 6 batteries. 5 lbs.
321 X. *$5 Monthly* **58.75**
865. Batteries. Takes 6. 4 oz. .... **Pkg. of 2 for 26¢**

NON MV-1 MEGAPHONE. 300-yard range; high or low-wer switches; strap; aluminum; 6½″ dia. Less bat- (10-hours continuous life). 4 lbs.
320 X. *$5 Monthly* **26.14**
868. Batteries. Takes 4. 5 oz. .... **Pkg. of 4 for 64¢**

Johnson Messenger 202 2-Way Business Radio

Per Unit
$197⁵⁰
$10 monthly

- 25 to 50 Megacycles; 10 Watts AM Input
- Greater Range Per Watt Than FM Types
- Johnson's "Man in Washington" Helps You Get Your FCC License Faster

Professional dependability and performance, yet costs less than half as much as comparable FM equipment of like power. Greatly reduced maintenance, too. For both base and mobile use—plants, offices, factories, businesses, cars, trucks, boats and busses. Quick and easy installation; only 2 operating controls. Compact, just 5⅝x7x11⅜″. With microphone, separate AC and DC power cables. *For holders of 25-50 mc licenses: specify exact frequency when ordering. Others, please write Allied's Mail-Order Communications Dept. for helpful assistance.* Meets FCC rules and regulations, Parts 89, 91 and 93. Universal power supply for 117 v., 60 cycle AC/12 v. DC. 17 lbs.
86 U 402 CXF. *$10 Monthly.* **Specify Frequency** **197.50**
90 U 416. Mobile Mounting Bracket. 1¼ lbs. **2.50**

CTS/KNIGHTS .003% Tolerance Citizens Band Transmitting and Receiving Crystals

ed FCC requirements. *No crystal required. *Specify Channel 1-23.* Wt., 3 oz. .... Each **2.50**

ufacturer d Model	Stock No. Transmit	Stock No. Receive
bs TCV-77	90U 350 CS	*
Wards) 587 98	90U 368 CS	90U 363 CS
ol 510B	86U 600 CS	86U 601 CS
ll Units)	90U 353 CS	90U 375 CS
B6	90U 351 CS	90U 358 CS
g Mobilaire	90U 367 CS	*
g S-9, T2700	90U 366 CS	*
0	90U 394 CS	90U 370 CS
0, 510A	86U 600 CS	86U 601 CS
5, 5A, 6, 7, 99	90U 371 CS	90U 372 CS
AGS200	90U 366 CS	90U 358 CS
(ECI)	90U 373 CS	*
Fleet	90U 354 CS	90U 363 CS
All Units)	90U 366 CS	*
atelite	86U 604 CS	*
TR910, TR1000, F1050	90U 366 CS	90U 358 CS
ll Units)	90U 366 CS	*
Series	90U 371 CS	*
Series	90U 366 CS	90U 356 CS
Radiotelephone 2, 3, Echo 9	90U 366 CS	90U 363 CS
iotele. MC-4,	90U 354 CS	90U 363 CS
100	90U 366 CS	90U 363 CS
1000A	90U 366 CS	90U 360 CS
200	90U 350 CS	90U 357 CS
11, 12, 14, 15	90U 351 CS	90U 358 CS
ctric	90U 366 CS	*
ers CB2, CB3, CB5, CB10	90U 352 CS	90U 359 CS
ers CB6	90U 353 CS	90U 358 CS
(All Units)	90U 366 CS	*
Heath CB1	90U 366 CS	*
Heath CB2, GW10, 11, 12, 22, 23, 42, MW30	90U 366 CS	90U 360 CS
Heath GW21	90U 353 CS	90U 365 CS
Heath GW30, R220	90U 353 CS	*
Heath GW31, 52	90U 353 CS	*
Int'l. Executive	90U 354 CS	90U 361 CS
Int'l. Exec. 50, 100	90U 354 CS	90U 374 CS
Johnson Personal Mess.	90U 353 CS	90U 375 CS
Johnson Messenger III	90U 394 CS	90U 963 CS
Johnson Viking Messenger I, II.	90U 352 CS	90U 362 CS
Kaar TR330, 326A, 327	90U 354 CS	90U 376 CS
Knight-Kit C-22	83U046CMW	83U045CMW
Knight-Kit KG-4000	83U034CMW	83U041CMW
Knight KN-2500, 2550 KN-2580, KN-2585	90U 366 CS	90U 358 CS
Knight KN-2590	90U 354 CS	90U 360 CS
Lafayette HB111	90U 354 CS	90U 358 CS
Lafayette HE15	90U 366 CS	*
Lafayette HE20, HE20A HE20B, HE20C	90U 366 CS	90U 358 CS
Lafayette HE29	90U 366 CS	90U 363 CS
La Salle LA101	90U 366 CS	90U 363 CS
Lincoln L2700A, 2000A	90U 366 CS	*
Lincoln L-2700, Walkie-Talkie (early issue)	90U 353 CS	90U 375 CS
Lincoln L-2710, Walkie-Talkie (late issue)	90U 369 CS	90U 375 CS
Midland 13-108, 13-110, 13-111, 13-133	90U 369 CS	90U 401 CS
Minifone 400M1	90U 353 CS	90U 375 CS
Minifone 400M2	90U 353 CS	90U 375 CS
Miratel CR117	90U 366 CS	90U 362 CS
Olson RA396, 442, 443	90U 366 CS	90U 358 CS
Philmore TC11	90U 366 CS	*
Poly Comm PC-11, 11G, N Poly Compact	90U 355 CS	90U 364 CS
Radson RT70A; 75A	90U 366 CS	90U 358 CS
Ray Jefferson	90U 366 CS	*
Raytheon TWR-1	90U 368 CS	90U 363 CS
Raytheon TWR 5, 6, 7	90U 394 CS	90U 401 CS
RCA (Except Mark VIII)	90U 366 CS	90U 358 CS
RCA Mark VIII	86U 602 CS	90U 359 CS
Realistic CBK-1, TRC27A, Pocket Phone, Realistiphone	90U 366 CS	90U 363 CS
Realistic TRC5, 8	90U 354 CS	90U 362 CS
Regency CBM27	90U 366 CS	*
RME 4303	90U 353 CS	*
Sampson CBIA	90U 354 CS	*
Shell CB-12	90U 366 CS	*
Sonar Model D	90U 366 CS	90U 363 CS
Sonar "E" Serial No. 915 and Lower	90U 377 CS	90U 363 CS
Sonar "E" Serial No. 916 and Higher	90U 377 CS	90U 378 CS
Sonar Models C, G	86U 604 CS	90U 378 CS
Transcender 1000	90U 352 CS	90U 362 CS
Transpace (All Units)	90U 368 CS	90U 358 CS
Universal CT2701	90U 353 CS	90U 375 CS
USL R800, TR910	90U 366 CS	*
USL TR1000, 1050	90U 366 CS	90U 358 CS
Utica T&C MC27	90U 366 CS	90U 357 CS
Vanguard (All Units)	90U 352 CS	*
Vocaline ED27M	90U 367 CS	*
Wards, See Airline	....	....
Webster 4-11 (early)	90U 368 CS	90U 363 CS
Webster, 440, Band Spanner	90U 366 CS	90U 358 CS

ted Crystals Available on Special Order—30 Day Delivery

Allied's Own CB Antenn

MOBILE CB EQUIPMENT AT MONEY-SAVING PRI

New Stainless Steel Car-Top CB Antenna

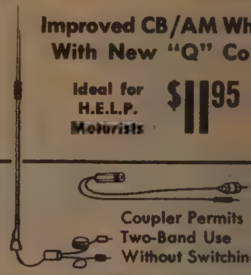
Special Low Price $\$9^{95}$

Weatherproofed Antenna Comes Complete with RG58/U Coax Cable and PL-259 Connector

Deluxe Stainless Steel Mobile Package

Complete Package $\$14^{95}$

102″ Whip, Bumper Mount and Ball, Clip, Cable, Plug, Spring



Improved CB/AM Wh With New "Q" Co

Ideal for H.E.L.P. Motorists $\$11^{95}$

Coupler Permits Two-Band Use Without Switchin

Base-Loaded Car-Top Antenna

- Has Omnidirectional Pattern
- Extends Only 44″ Above Car Roof
- Fully Treated for All-Weather Duty

Deluxe car-top antenna at an exceptionally low price. Made of fine taper-ground stainless steel, this base-loaded antenna is only 44″ long, including waterproof mount and loading coil. Its actual RF capacity is 100 watts . . far more power than you'll ever use. Omnidirectional pattern. Mounts in ¾″ hole. With 12 ft. of RG58/U coaxial cable and PL-259 connector. Shpg. wt., 1½ lbs.

86 U 755 X. **9.95**

Low-Cost Mobile Package

- Everything You Need Is Included
- Taper-Ground Stainless Steel Whip
- Professional Quality at Low Cost

Compare price, compare quality and you'll buy this outstanding package. All components are stainless steel, except triple-plated chrome ball. Consists of: 102″ whip; base and die-cast ball; gutter clip; 20-ft. RG-58/U coax cable with PL-259 plug; high-impact spring. Rustproof whip is of finest taper-ground stainless steel. Rugged base, ball and spring are built to "take it." Shpg. wt., 8 lbs.

86 U 704 ZW. Shipped express. **14.95**

CB/AM Mobile Whip Ante

- "Q" Coil Ensures Top Performa
- Efficient Solid-State Coupler
- Complete with Cable and Con

Same low price, but now boaste coil to electrically increase an length for best CB and AM recep Fine for motorists using Hig Emergency Locating Plan (H.E. Coupler uses series-resonant circ isolate CB from AM radio. No sw ing between bands, no deteriorati signals. 50″ chrome-plated telesc antenna for 1-hole body mount. cable and plug. 1½ lbs.

86 U 703 X. Shipped express. . **1**

Low-Cost Poly-Foam Coaxial Cable and Antenna Accessori

Low-Loss Foam-Dielectric Coax Cable with Connectors

RG8/U 50-OHM COAX CABLE. Top-quality cable's polyethylene foam dielectric ensures extremely low line-loss. Increases efficiency of your antenna system. Has high bending radius. One PL-259 connector at each end.

89 U 522. 100′ Coil. 11 lbs. **13.95**

89 U 519. 50′ Coil. 7 lbs. **8.50**

RG58/U 53.5-OHM COAX CABLE. Foam dielectric cuts line loss, boosts operating range. 20-ft. coil has PL-259 plug on one end, split lugs on other. Others have PL-259 plug each end.

89 U 530. 20′ Coil. 1 lb. **2.95**

86 U 884. 100′ Coil. 4 lbs. **8.95**

86 U 883. 50′ Coil. 2 lbs. **5.50**

A
Stainless Steel 102″ Whip
D
Rugged Bumper Mount
B
"No-Rattle" Gutter Clip
E
Stainless Spring
C
Stainless Body Mount
F
Heavy-Duty Stainless Spring

A **102″ STAINLESS-STEEL WHIP.** Made of taper-ground stainless steel. ⅜-24 Shpg. wt., 2 lbs.

86 U 610 WZ. Shipped express. 3

B **GUTTER CLIP.** Plastic holder swivel cadmium-plated clamp. 8 oz.

86 U 611. . . . .

C **STAINLESS-STEEL BODY MOUNT.** Desi to meet exacting standards for trou free service. Shpg. wt., 3 lbs.

86 U 607. 7

D **BUMPER MOUNT.** Has stainless steel s that fits securely around bumper of size or shape. Wt., 1 lb.

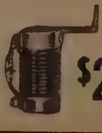
86 U 606. 5

E **STAINLESS-STEEL SPRING.** For whips. R proof. Shpg. wt., 3 lbs.

86 U 608. 2

F **HEAVY-DUTY STAINLESS-STEEL SPRI** Rugged. Rustproof. 4 lbs.

86 U 609. 8



Filter Cuts Out Generator Noise

$\$2^{35}$

Screens out whining and grinding noises create by generator brushes. Tunable from 3-30 mc With mounting bracket. Wt., 5 oz.

89 U 512. . . . . **2.35**

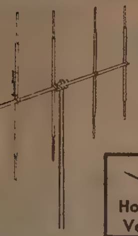
d Accessories at Low Prices

VE ON BASE-STATION ANTENNA PACKAGES

KNIGHT

CB EQUIPMENT

lement Wide-Spaced ll-Aluminum Beam



$39⁹⁵

$5 monthly

Horizontal or Vertical Use

m, 100' 58/U Coax, gs

Save $4.95

Both for **$43.95**

$5 monthly

eluxe KN-2574 Beam

ninum beam's elements (each t., 8¾ in.) on 24-ft. boom, ate near-perfect directional ern. Forward gain, 12.3 db. ratio, 25 db or better. Gam- natching for low VSWR with m coax. 112-lb. wind load cally; 62 lbs., horizontally. s mast with 1½" dia. Less . 18 lbs. Express.

398 WZ. Beam Alone 39.95

779 AL2Z. Beam and 100' 8/U Coax Plugs. 22 lbs. 43.95

442 X. Alliance U-100 Rotator m. (Not illus.) 12 lb. . . **28.20**

237. 100' Coil of 4-Cond. Ro- Cable. 3 lbs. 2.19

Low-Cost Ground-Plane Omnidirectional Antenna

Exclusive Design

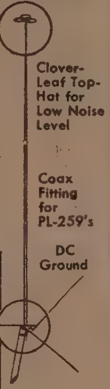
$12.95

Outperforms Many Antennas that Cost Much More—a Fine Buy for the CB'er

Antenna, 50' Coax, Plugs

Save $2.50

Both for **$15.95**


Clover-Leaf Top-Hat for Low Noise Level
Coax Fitting for PL-259's
DC Ground

KN-2570 Ground Plane

Unbeatable at this low price, the KN-2570 features Knight's exclusive top hat that ensures lowest possible noise level. Unique beta match places entire antenna at DC ground for protection from lightning. Tuned antenna has 52-ohm impedance. 5-db circuit gain. 1.5:1 VSWR. 9-ft. seamless aluminum radiator, and 9-ft. solid-aluminum radials. With hardware. 4¾ lbs. Express.

86 U 700 X. GP Alone. . . . 12.95

23 U 779 AL2Z. GP with 50' RG58/U Coax and Plugs. 8 lbs. . . . 15.95

86 U 883. 50' Coil RG58/U Coax and Plugs Alone. 2 lbs. 5.50

New Improved 5/8-Wave Deluxe Base Antenna

Our Best Omnidirectional

$23.95

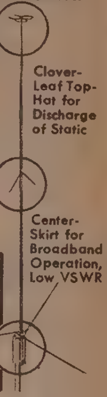
$5 monthly

Waterproof Solid-State Matching Transformer

Antenna, 100' Coax, Plugs

Save $4.95

Both for **$27.95**


Clover-Leaf Top-Hat for Discharge of Static
Center-Skirt for Broadband Operation, Low VSWR

Improved KN-2572

Up to 6-db gain. Boasts 19-ft., 8-in. vertical radiator of solid-wall seamless aluminum tubing, and solid-aluminum brackets and fittings. Solid-state matching coupler at base ensures lowest-loss transfer of energy, plus 1.2:1 or less, VSWR. DC-ground for lightning protection. Three 108" radials provide excellent mast de-coupling and radiation pattern. Can be cut for 10-meter band. Up to 250 watts. Takes masts of 1¼" to 1⅝" dia. Less mast. 7½ lbs. Express.

86 U 702 X. Ant. Alone. . . 23.95

23 U 122 AL2Z. Antenna and 100' RG58/U Coax, Plug. 27.95

Lincoln® Audio Compressor and Bridge Boost CB Range

ncoln L2502 Transistorized Audio Compressor

es talk-power for maximum communications range and cy. Boosts lower audio levels to achieve full 100% modula- lso limits higher levels to prevent overmodulation. No g necessary to connect unit between press-to-talk mike nsceiver. Powered by battery (supplied). Switches in and circuit. Compression adjustment control. 1½x3x3". With MC4M output connector. Shpg. wt., 3 lbs.

1 M. *$5 Monthly* **19.95**

NEW

A

$19.95

$5 monthly

LINCOLN
OFF
ON
COMPRESSOR
LEVEL
TRANSISTORIZED COMPRESSOR AMPLIFIER

B Lincoln L2501 Dual-Meter SWR Bridge

re than an ordinary SWR bridge, this unit has two meters: ds true RF power, while the other simultaneously reads d power loss due to antenna and line mismatch. Usable y transmitter from ½-watt to 1 kw, from 2 to 200 mc. 5 Better than 10% accuracy. Low insertion loss, may be ine permanently. One-time calibration. 2⅝x2⅝x6⅛". Im- e, 52 ohms. SO-239 coax connectors. 3 lbs.

0 M. *$5 Monthly* **24.95**

$24.95

$5 monthly

B

our Allied Credit Fund to Upgrade Your CB Equipment Now

Citizens Band Antennas and Accessories

1¢ Bonus

Save $5.49

50′ RG58/U Coaxial Cable 1¢ when you buy one of these Antennas

Hy-Gain CLR-II	New-Tronics "Pro"	A/S M-117
$29.95	$32.95	$29.35
For 1¢ More Get Coaxial Cable	50′ Coil for 1¢ More	Bonus Offer for 1¢ More

A HY-GAIN CLR-II. Omnidirectional vertical ground-plane. ⅝-wavelength. 3.4 db gain, 8 db circuit gain. SWR, 1.2:1. 52 ohms. 19′11″ high; 9′ radials. For 1¼-1¾″ masts. Shpg. wt., 16 lbs.

23 U 936 AL2X. With Bonus Coax. *$5 Monthly* **29.96**

86 U 422 X. CLR-II Alone. *$5 Monthly* **29.95**

B NEW-TRONICS "PRO." SWR tunable to 1.1:1. 0.64 wavelength. 52 ohms. Feed-line may exceed 60′. 19′8″ high; 9′ radials. Low-angle radiation. 17 lbs.

23 U 938 AL2Z. With Bonus Coax. *$5 Monthly* **32.96**

86 U 634 ZW. "Pro" Alone. Shipped express............ **32.95**

C ANTENNA SPECIALISTS M-117. Omnidirectional, 3.75 db gain. Minimum 6 db signal-to-noise improvement. VSWR, 1.17. Ball reduces static noise. ½-wavelength radials. 52 ohms. For up to 1½″ mast. 15 lbs.

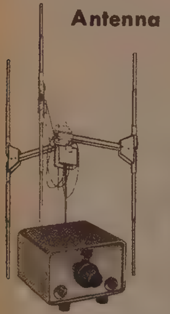
23 U 939 AL2X. With Bonus Coax. *$5 Monthly* **29.36**

86 U 496 X. M-117 Alone. *$5 Monthly* **29.35**

RG-58/U COAXIAL CABLE. 50′ of low-loss 53.5-ohm coax with 2 PL-259 connectors attached. Shpg. wt., 2 lbs.

86 U 883 .... **5.50**

Antenna Specialists Phased Beam



$64.68

$5 monthly

M-119 Beam Antenna With Control Box That "Rotates" Signal

Phased beam CB antenna eliminates need for antenna rotator. You rotate the *signal* for maximum range, not the antenna. Control box selects 3 directions (indicated by neon bulbs) or "off." Provides 7.5 db gain; 23 db F/B. (Requires 4-wire rotor cable.) 17½-ft. aluminum verticals; 36″ from mast. 52 ohms. For 1½-2″ masts. 18 lbs. Shipped express.

86 U 754 ZW. *$5 Monthly* **64.68**

New Hy-Gain Twin Driven "Duo-Beam 6"

Buy RG58/U Save Up to $7.95

Six-element beam with over 12 db gain. F/B 15 db or better. VSWR 1.5:1. Beta matched, DC ground. 50 ohms. Requires heavy-duty rotator. Turning radius 9½′. 18′ high. 32 lbs.

89 U 342 ZW. *$5 Mo.* **69.95**

23 U 884 AL2Z. With 100′ RG58. Save $7.95. 36 lbs......... **70.95**

DUO-BEAM 4. Four-element beam with same specs as above, except 9.5 db gain. Turn rad. 5′. 18′ high. With phasing lines. 24 lbs.

89 U 343 ZW. *$5 Mo.* **39.95**

23 U 885 AL2Z. With 100′ RG58. Save $4.95. 28 lbs......... **43.95**

Hy-gain Mosley Beam Antenn

BONUS OFFER

Save when you buy 50′ RG58/U with a Beam below

Hy-Gain CB-3	CB-3 and 50′ RG58/U
$19.95	$22.95
$5 monthly	Save $2.50

Mosley A-311-S	A-311- 50′ RG
$31.50	$3
$5 monthly	Save

D HY-GAIN CB-3. Three elements, 8-db gain. 20 db db average F/S ratio. 52 ohms. ½-wavelength swaged elements on 8′x1¼″ boom. Express.

23 U 886 AL2Z. With 50′ RG58/U. 17 lbs.........

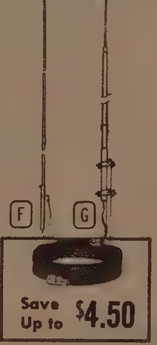
89 U 344 ZW. CB-3 Alone. 15 lbs..................

E MOSLEY A-311-S. Three elements, 8 db gain. 52 12′ boom. Longest element 18′9″. Express.

23 U 946 AL2Z. With 50′ RG58/U. 17 lbs..........

86 U 636 ZW. A-311-S Alone. 15 lbs..............

B & K/Mark Roof or Window Antenn



Save Up to $4.50

F CBB-1. ½-wave. Less than VSWR. 17′ aluminum ra fiberglas mounting section. matching stub. Express.

23 U 941 AL2Z. CBB-1 and 50′ R Save $3.95. 10 lbs. *$5 Monthly*

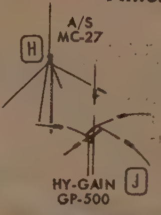
90 U 136 ZW. CBB-1 Alone. 8 lbs

G SUPER-BEACON. Omnidire ½-wave antenna. Low ra angle. 1.5:1 VSWR. Dielectric for low signal-to-noise ratio, up db operating gain. 52-ohm impe Express.

23 U 942 AL2Z. Super-Beacon a RG58/U. Save $4.50. 14 lbs....

90 U 186 ZW. Super-Beacon Alo lbs. *$5 Monthly*..............

Antennas and Accessories



H ANTENNA SPECIALISTS MC-27 nidirectional ground-plane. diator and radials that bend to 50-ohm lines. Fits 1 to 1¼″

89 U 817 X. 7 lbs.............

J HY-GAIN GP-500. Omnidire ground-plane. Unity gain. 52 9′ radiator, 9′ radials. For 1 t masts. 8 lbs.

90 U 396 X.....................

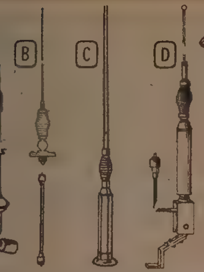
K HY-GAIN CO-PHASER. When with two phased collinear ant boosts range, reduces unwante nals like a beam. Compass dial. 4.5 db gain. No power needed.

86 U 637 X.....................

L HY-GAIN LA-1 LIGHTNING ARR For 52 or 72-ohm coaxial 1000 watts. SO-239 endings. 2 l

86 U 566. *$5 Monthly*..........

Citizens Band Mobile Antennas, Accessories

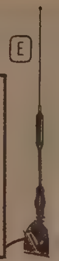


a/s MOBILE ANTENNAS

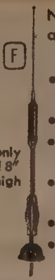
1¢ Bonus

Save $1.64

Hy-Gain Static Arrester 1¢ More



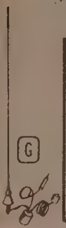
only 18" high



New M-130 and M-131 Whips

- Center-Loaded
- Low VSWR
- Stainless Steel Spring
- Clears Garage Door
- Fine Tuning
- Snap-In Mount

hy-gain

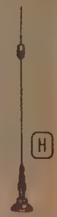


Mobile Antennas

1¢ Bonus

Save $1.64

Hy-Gain Static Arrester 1¢ More



CB Antennas for Every Requirement

103 COMBINATION CB/BROAD-ST-BAND WHIP. Center-loaded oping whip. Chrome-plated. e-hole body mount. Includes r, all cables, plugs. For any car. wt., 4 lbs.
387 AL2X. With Bonus.....14.65
459 X. M-103 Alone.......14.64

23 BODY MOUNT WHIP. 102" inless steel whip, coaxial swivel spring. 20' RG58/U cable, PL- both ends. Rear deck or side ting. 6 lbs. Express.
388 AL2Z. With Bonus.....17.47
793 ZW. M-23 Alone.......17.46

125 ROOF MOUNT WHIP. 40" se-loaded stainless steel whip, ess steel spring. Snap-in 3/8" hole t. 20' RG58/U, PL-259. 2 lbs.
389 AL2X. With Bonus.....15.41
531 X. M-125 Alone.......15.40

D **M-127 TRUNK-GROOVE-MOUNT WHIP.** 40" base-loaded stainless steel whip, stainless steel spring. Snap-in 3/8" hole mount. 20' RG58/U, PL-259. 2 lbs.
23 U 892 AL2X. With Bonus.....17.16
89 U 340 X. M-127 Alone.......17.15

E **NEW M-131 GUTTER-MOUNT WHIP.** Center-loaded whip with fine tuning to obtain lowest VSWR. 18" high. 2½" stainless steel spring. 10' RG58/U, PL259, gutter clip. 2 lbs.
23 U 890 AL2X. With Bonus.....13.73
89 U 338 X. M-131 Alone.......13.72

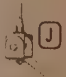
F **NEW M-130 18" CAR-TOP WHIP.** Center-loaded whip with fine-tuning adjustment. Low VSWR. 2½" stainless steel spring, 16' RG58/U, PL259. 3/8" snap-in mount. 2 lbs.
23 U 891 AL2X. With Bonus.....11.03
89 U 339 X. M-130 Alone.......11.02

Antennas and Accessories

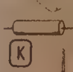
G **TTMPQ CB/AM WHIP.** Top-loaded, telescoping. Chrome-plated. With divider, RG58/U, plugs. 2 lbs.
23 U 893 AL2X. With Bonus.....14.96
89 U 345 X. TTMPQ Alone......14.95

H **TRCQ CAR-TOP WHIP.** 29" roof whip, spring. Cable, plugs. Shpg. wt., 1 lb.
23 U 894 AL2X. With Bonus.....15.51
89 U 341 X. TRCQ Alone........15.50

J **JM JIFFY MOUNT.** Attaches under edge of trunk. Takes 3/8-24 stud. Plated steel. Shpg. wt., ½ lb.
86 U 420.............3.15

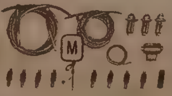


K **DCGK STATIC ARRESTER.** Drains static, reduces lightning hazard. Shpg. wt., 3 oz.
86 U 407.............1.65



Noise Suppressors, Handset Phone

Sonar Kit
$5.95

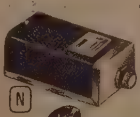


Johnson Kit
$15.50

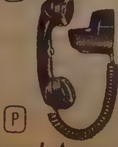
NAR NOISE-SUPPRESSOR KIT. Solves ignition noise problems. consists of four 1-mfd (100 WVDC) capacitors for coil, e regulator and generator; suppressor resistor for installa-etween coil and distributor; and detailed instructions. For s. Shpg. wt., 2 lbs.
01...5.95

HNSON NOISE-SUPPRESSOR KIT. Kit includes: 4 coaxial acitors (1 for generator, 2 for voltage regulator, 1 for coil); rk-plug suppressors; 1 distributor suppressor; 1 voltage-tor suppressor; sufficient shielded cable and braid for of system. Supplied complete with screws, terminals, are, instructions. For every automobile make and model. wt., 2 lbs.
10..15.50

"NOISTOP" IGNITION NOISE FILTER. duces annoying pulse-type interference cars, trucks, outboards. Gives squelch too. Attaches to base or mobile superhet-CB transceivers. 1½x2½x4". 1 lb.
06...........................16.95



M-2 MOBILE PHONE HANDSET AND ADLE. Shock-resistant handset has high-ance mike. When taken from cradle, eiver speaker is muted. Push-to-talk where hand grasps phone. Instructions. wt., 3 lbs.
515. *$5 Monthly*.................**19.95**



Tenna CB/AM Electric Antenna

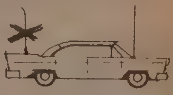
Save $1.64

$23.01

$5 monthly

Static Arrester

1¢ Bonus



Top-loaded antenna extends to 55" and retracts to 9½" electrically as you operate dash-mounted switch. For CB transmit-receive and AM reception. For most American-make cars. Front or rear mounting. With motor, switch, under-dash motor bracket, 20' wire, 18' RG58/U, PL-259, UG-175 adapter, 4½' shielded cable. 12 v. neg. or pos. 8 lbs.
23 U 895 AL2X. With Bonus..........23.01
86 U 627 X. Antenna Alone...........23.00

Newtronics CBM-60 AM-FM/CB Antenna

Save $1.64

$13.96

Complete

Static Arrester

1¢ Bonus

One Antenna for CB plus FM-AM Reception!

Now! One antenna handles CB transmit-receive plus AM and FM broadcast reception. Eliminates the clutter of two separate antennas. Top-loaded 40" whip mounts on fender or trunk. Complete with AM/FM/CB coupler, 5' RG58/U cable, PL-259s, instructions. Shpg. wt., 2 lbs.
23 U 895 AL2X. With Bonus..........13.96
89 U 336 X. CBM-60 Alone............13.95

89 U 337. AM/FM/CB Coupler. For use with any ungrounded CB whip. 1 lb.........**7.95**

CB Radio Equipment and Weather Instrument

POWER
RFL-20
RF
LINEAR AMPLIFIER
OFF STANDBY OPERATE

VIBRATROL

RFL-20 Linear Amplifier

$79.95 • Gives 20 Watts PEP, 25-54 mc

$5 monthly • For Mobile or Base

Exclusive at Allied! For low-power Business Band; Class C 11-meter; plus 10 and 6-meter Ham bands. For SSB, CW, AM, FM. Connects between transceiver and antenna. Automatically switches in during transmit, boosts power to 20 watts. Broadband, vary input 500 kc without tuning. Output meter. 6x5x8″. With mtg. bracket, AC/DC cords. For 115 VAC/12 VDC. Less DC vibrator, below. **Illegal for Class D 11-meters.**

86 U 513 M. 11 lbs. **79.95**

TRANSISTOR VIBRATOR. 1 lb.

86 U 463. Positive Gd. 6.95

86 U 464. Negative Gd. . . . 6.95

New! Transceiver Tester

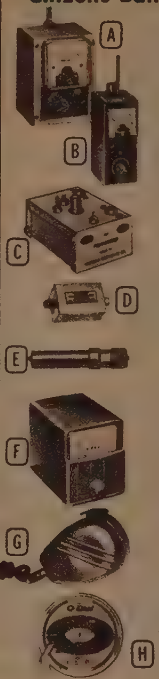
$44.95 • Tests All Major Functions

$5 monthly • Many Testers in 1

Helps you get top performance from CB equipment. Measures RF power output, modulation, field strength, SWR. Outputs: crystal-controlled RF (modulated and unmodulated); 1 kc sine wave. Measures power output to 6 watts. Jacks for aural and visual monitoring, audio generator output, crystal test. Controls: function selector; antenna selector; generator selector; modulation calibrate switch; modulation control; meter adj. Molded case, brushed aluminum panel. 7⅞x5⅜x2⅞″. With battery and 30″ telescoping antenna. 4 lbs.

89 U 346 M. *$5 Mo.* **44.95**

Citizens Band and Ham Accesso



[A] LOW-COST FIELD-STRENGTH 1.6-150 mc. Magnet base whip. From Japan.
86 U 589. Wt., 10 oz. . . . .

[B] SWR/FS METER. Reads and reflected power; SWF 10:1. Also shows field strength 1 kw, 2-30 mc. ±5%. From
86 U 588. Wt., 10 oz. . . . .

[C] AMECO PV-27 NUVISTOR AMP. 2 db noise figure at Req. 110-150 v. DC at 8 ma AC or DC at .135 amps. 1
86 U 421. Wt., 1 lb. . . . .

[D] AMECO LN-2 TVI FILTER. TV/FM interference. 52-7 SO-239 connectors, bracket.
89 U 454. Wt., 1 lb. . . . .

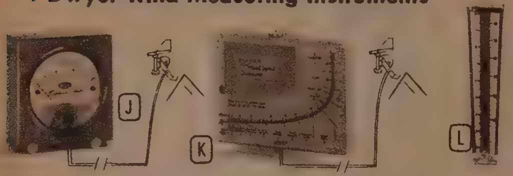
[E] CESCO "PHANTOM" DUMM 52-ohms. UHF connector.
89 U 505. Wt., 6 oz. . . . .

[F] BRC 601 S-METER. For AM superhet tube-type receive AVC. 2½x1⅞x2½″. Less bat
86 U 035. Wt., 1 lb. . . . .
55 U 650. Battery. 2 oz. . . . . . .

[G] E-V/AMERICAN TRANSISTOR DIO COMPRESSOR MIKE. preamp increases range, i audio. Push-to-talk. Output, With batteries.
86 U 669. Wt., 13 oz. . . . .

[H] E-V "Q DIAL". Dials inclu data; States and Posses U.S.A. 3.5-144 mc Ham allo QSL bureaus; NBS services; 10-code signals; CW abbrev ARRL phonetic alphabet; ti version chart; morse-code; std reporting system. 10″ dia.
86 U 559. Wt., 3 oz. . . . .

Dwyer Wind Measuring Instruments



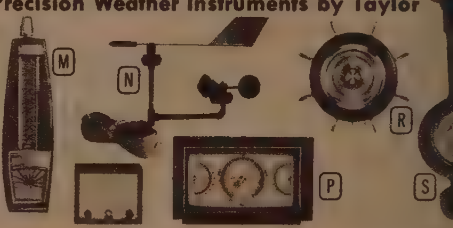
Precision-made Wind Measuring Devices Are Ideal for Hams, CB'ers, Hunters, Pilots, and Boating Enthusiasts

[J] DELUXE WINDSPEED METER. Accurately indicates wind speed from 0 to 100 mph. Pitot tube operates meter without batteries or electrical connections. 5¾x5½x2⅝″. With remote pickup, brackets, 50′ lead-in.
86 U 537 MU. Shpg. wt., 6 lbs. **59.95**

[K] WINDSPEED INDICATOR. Indicates wind speed from 0 to 80 mph. Reads like a thermometer—calibrated in mph and Beaufort scale. 6x7x1″. External fitting, brackets, 50-ft. lead-in, indicator. 5 lbs.
86 U 538 M. **19.95**

[L] HAND-HELD WIND METER. For sportsmen, etc. Measures wind speed from 0-10 and 2-60 mph in two ranges. Accuracy: ±½ mph on low range; ±3 mph on high. Plastic. 1⅝x6¾x½″. ½ lb.
86 U 539 M. **4.95**

Precision Weather Instruments by Taylor



[M] INDOOR-OUTDOOR THERMOMETER/HYGROMETER. In outdoor temperatures; indoor humidity. 1 lb.
86 U 850 M 7

[N] DELUXE "WINDSCOPE". Shows wind speed, direction. vane, anemometer, indicator, 60′ cable, battery.
86 U 851 MX. Shpg. wt., 10 lbs. **74**

[P] DESK STORMOSCOPE. Indicates temperature, barom pressure, humidity. 5½x9″. 2 lbs.
86 U 852 M **13**

[R] SHIP'S WHEEL BAROMETER. Calibrated from 29-31 in Mahogany case, brass trim. 2 lbs.
86 U 854 M **12**

[S] DELUXE WALL STORMOSCOPE. Shows room tempera barometric pressure, humidity. Early American pen frame. Mahogany; brass bezels, trim. 21½x7¼″.
86 U 853 MX. Wt., 3 lbs. **19**

Three-in-One Home Weather Station by Springfield

Thermometer/ Barometer/ Hygrometer

Indicates temperature, barometric pressure and rel humidity. Mounted on beautiful wood-grained wall p Panel size, 5¾x15½″. Shpg. wt., 2 lbs.
86 U 855 M 8

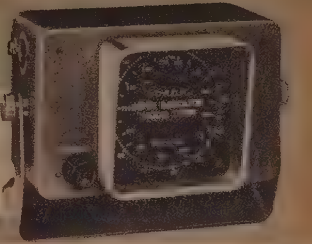
Marine Radio and Navigation Equipment

Sonar

DEPENDABLE MARINE EQUIPMENT

- Transistorized
- 6 Marine Channels
- 62 Watt Input
- With Mike, 3-Pair Marine Crystals

- Extremely Accurate
- Reads to 250 ft.
- 360°, 4" Scale
- Even Locates Schools of Fish



el 62 62-Watt Transistorized Marine Radio-Telephone

rful marine transceiver with built-in AM broadcast receiver. sion for six crystal-controlled transmit-receive channels between 6 mc. Noise limiter and RF sensitivity control. 34-watt RF out-nto standard FCC dummy load. FCC type-accepted. Aluminum ights effects of salt water and fungus. With universal mounting et, push-to-talk mike, 3 pairs of crystals. 6¼x10⅝x13½". For 12 Shpg. wt., 16 lbs.

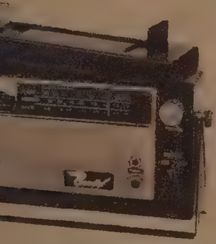
545 MX. *$15 Monthly*. **299.50**

Long-Range Marine Antennas

in TQMA CB/Marine Whip. 27 -ft. Heavy-duty mt. 3 lbs.
18 X. *$5 Monthly*. **19.95**

A/S ASP-194. For above. 2-3 mc. Ht., 12′9″. Mtg. bracket. 6 lbs.
86 U 543 X. *$5 Monthly*. **33.42**

ndix, Concord, Taylor Navigation Equipment



dix "Navigator 420"

nd Radio with Direction Finder

tive 8-Transistor Circuit

ble radio-direction finder marine frequencies, homing ns, 24-hour-a-day weather- and AM broadcast band. 190-400 kc, 550-1600 kc, 500 kc. Includes BFO for eception. Rotating antenna uilt-in meter give sharp " let boaters home-in on ansmitting station. DF level l prevents overloading. Cali- optical sights permit use as rus to find exact position y. Tuned RF stage, 3-gang capacitor, push-pull out- lastic case, 5x8x2¼". With g handle/bracket, batteries, ne, leather case with strap. wt., 3½ lbs.

42 M. *$5 Monthly*. . . **99.50**

Concord "Conrad" NAV-1

- Learn Navigation in Minutes
- A "Must" for Every Boat Owner

Includes Model DF-1 Radio-Direction Finder and circular navigation chart, 16½" square plotting board. System requires no calculations, no instruments other than your compass. You can determine your position at sea under any conditions, plot course to reach destination. Receiver tunes standard broadcast band, plus 180-400 kc and 1.6-4.5 mc. Controls: on-off, volume; sensitivity; tuning; band selector. Built-in speaker, antenna. 18½x12x5½". Complete with batteries, case, plotting board, chart, instructions. Specify navigation chart for your area when you return warranty card to Concord. From Japan. 8¼ lbs.

86 U 541 M. *$5 Monthly*. . . .**99.50**

e Taylor Commander Marine Compass

ional quality. Has accurate magnetic scale. nated dial. Black wrinkle finish, rustproof metal ⅜" dome. 2½ lbs.

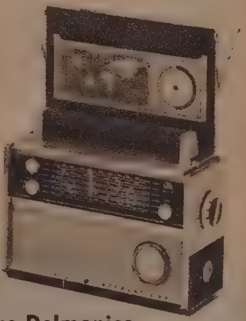
[illegible] M. **13.95**

D-120B Depth Indicator

For boaters and fishermen. Prevents running aground in unexpected shallow areas. So sensitive it can locate schools of fish! Excellent for everything from small fishing craft to large yachts. Accurately indicates depths from 1 to 250 ft. Easy-to-read 360°, 4" scale with 1-ft. graduations. Features rugged one-piece, non-magnetic construction. Easily installed even while boat is in water. Designed for bulkhead mounting. Supplied complete with transducer, gimbal and fairing block, instructions. Size, 7½x11¼x7½". For 6 or 12 VDC. Shpg. wt., 10 lbs.

86 U 544 M. *$7 Monthly*. **139.50**

Aircraft, Marine, Weather plus FM, AM; Shortwave Bands



Deluxe Delmonico

11-Transistor 6-Band Portable

$119.95

$6 monthly

- Drift-Free FM with AFC
- 3 Antennas For All Bands
- Weather-Resistant Case

Wherever your hobby takes you—on the sea, in the air, or on land—you'll appreciate the deluxe performance of this superbly crafted receiver. Covers 150-400 kc longwave band; 535-1605 standard band; 2-4 mc marine/police band; two shortwave bands from 4.75 to 22 mc; and 88-108 mc FM band. In addition, time-zone map in flip-up cover; front panel meter assures pinpoint tuning and shows battery condition. Large 6x4" speaker; two earphone jacks. Size, 10½x13½x5¼". Complete with earphone, batteries (takes 6), shortwave listening book. From Japan. Shpg. wt., 20 lbs. Express.

24 U 279 MU. *$6 Monthly*. **119.95**

55 U 867 M. Extra Batteries. Uses 6. Shpg. wt., 8 oz. . . . . **Pkg. of 4 for 52¢**

Regency VHF-FM and Aircraft Receivers

All-Transistor VHF-FM Receivers

as low as **$99.95** $5 monthly

- Efficient Solid-State Circuit
- Reliable Electronic Squelch
- Has Provision for 3-Way Power Supply

MODEL TML-2—30-50 mc. Multi-channel receiver for most emergency services. Dual-conversion superhet, up to 2-channel crystal switching. 3-way power: 117 VAC, 12 VDC or optional emergency battery (below). 4¾x11x7½". With one crystal—specify freq. 6½ lbs.
86 U 577 CF. *$6 Monthly* **119.95**

TML-1. Above, but one channel crystal control. Specify frequency. 6½ lbs.
86 U 770 CF. *$5 Monthly* **99.95**

MODEL TMH-2—150-175 mc. Similar to TML-2. Specify frequency. 6½ lbs.
86 U 578 CF. *$6 Monthly* **119.95**

TMH-1. Above, but one channel crystal control. Specify frequency. 6½ lbs.
86 U 771 CF. *$5 Monthly* **99.95**

90 U 320 CF. Extra Crystals. *Specify frequency.* 3 oz. .... Each **6.95**

86 U 579 CF. Tone Alarm System. For all receivers above. Specify transmitting alarm audio frequency. 3½ lbs. .. **30.00**

86 U 580 F. 12 VDC Emergency Battery/Charger. 1 lb. **22.95**

Shipped express from Indianapolis, Ind. No C.O.D. Allow 30 days.

Hear Many Exciting Services on VHF Bands With These Monitors

Low-Cost VHF-FM Receivers

$59.95 $5 monthly

- Transistorized Squelch
- 10 µv Sensitivity
- Large 4" Speaker

MODEL PR-35BR—30-50 mc. Exciting special-purpose FM at a budget price. Tunes broadcasts of police, fire, public safety, government, industrial, highway maintenance, power utilities, forestry and private mobile telephone services. Transistorized squelch; temperature-compensated circuit to minimize drift; 4" speaker. 5 tubes and rectifier. 6x9½x5½". For 110-120 v., 50-60 AC, or DC. 8 lbs.
90 U 664. *$5 Monthly* **59.95**

90 U 665. PR-155BR. Above, but higher band: 152-174 mc **59.95**

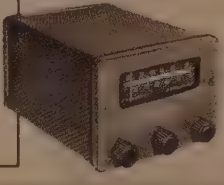
DR-200 2-Band VHF Re

$169.50 $9 monthly

- Covers 30-50 174 mc FM
- Adjustable Squ

Dual-conversion superhet with provision for one cryst trolled frequency on each (crystals on special order, Adjustable squelch; 1 µv sen at 30-50 mc. 14 tubes plus r 14¼x6¼x9½". Less speak low. For 105-125 v., 50-60 cy 17 lbs. *Fixed-frequency available on special order a each—specify frequency. Al days.*
90 U 666 U. *$9 Monthly* .. **1**

90 U 672 U. DRS-1 6" Spea 7½x7½". Wt., 7 lbs. ......



VHF-FM Receivers for Your Car

MODEL M-40—30-50 mc. Listen to police, fi emergency services from your car. Tun stage, built-in squelch, 4" speaker. 4½ 8¾". For 12 v., DC only. 13 lbs.
90 U 669. *$6 Monthly* **1**

90 U 670. M-160. Above, but 152-174 mc.

For crystal-controlled units operating on th mc and 150-175 mc bands, see TM Series M listed in column at left.

Regency Tunable and Crystal-Controlled Receivers For 152-174 mc or 30-50 mc

$79.95 $5 monthly

MODEL MR-10B—152-174 mc. Tunes police, fire, emergency services, U.S. Weather Bureau, railroads, private mobile telephone, utilities and forestry services. Adjustable squelch; 5" speaker. 7 tubes, rectifier. 7⅛x11¼x6½". For 110-120 v., 50-60 cycle AC. 22 lbs. *Crystal-controlled MRC-10B available on special order at $79.95 specify frequency. Allow 30 days.*
90 U 667 U. *$5 Monthly* **79.95**

MODEL MR-33B—30-50 mc. Keep in touch with police, fire, industrial, power utility, highway maintenance, forestry, private mobile telephone and radio paging. Adjustable squelch; 5" speaker. 7 tubes, rectifier. 7⅛x11¼x6½ . For 110-120 v., 50-60 cycle AC. 22 lbs. *Crystal-controlled MRC-33B available on special order at $79.95 specify frequency. Allow 30 days.*
90 U 668 U. *$5 Monthly* **79.95**

Regency Aircraft Monitors

A **$79.95** $5 monthly

$59 $5 mon

A **MODEL AR-136**—108-136 mc. Hear control commercial and private aircraft in flight, ap control, radar approach, ILS, Unicom and Omr 3-gang condenser has tuned nuvistor RF stage f sensitivity. Adjustable squelch; 5" speaker; 7 illuminated dial. Metal cabinet, 6¼x12x6⅜". F 120 v., 60 cycle AC. 20 lbs.
86 U 511 X. *$5 Monthly* ....

B **MODEL AR-132**—108-132 mc. Thrilling cover the whole panorama of aviation at a budge Tunes Omnirange, 2-way Unicom between pilots and airports (122.8 and 123.0 mc), ai emergency frequency (122.5 mc), ILS, GCA, ra proach and others. 4" speaker; 6 tubes. 6x9½x5½ 110-120 v., 60 cycle AC. 8 lbs.
86 U 510 X. *$5 Monthly* ....

On Special Orders, Be Sure to Specify Frequencies D

EW

Best-Value Special-Purpose Receivers

KN 2557
152 154 157 160 163 166 169 172 174
FM COMMUNICATIONS RECEIVER
KNIGHT

v Knight Receivers for Low-Cost VHF-FM Monitoring

EL KN-2558—30-50 mc. Reliable, and VHF-FM monitor brings xciting listening at minimal cost. local news in the making—listen oadcasts of police, fire and other c safety depts., government, rail-, industrial, power utilities, forand conservation services, radio g and private mobile telephone.

perature-compensated superhet t provides virtually drift-free tion. Also features tuned RF dependable electronic squelch, in 5" speaker, jack for headphone ternal speaker and illuminated rule dial. 7 tubes, plus voltage tor for excellent stability. Size, 1¼x6½". For 110-120 v., 60 AC. Shpg. wt., 22 lbs.
719 UM. *$5 Monthly*.....**59.95**

MODEL KN-2557—152-174 mc. Tunes higher VHF-FM band for interesting and useful coverage of police, fire, emergency civil defense, and public safety, as well as government, industrial, mobile marine, railroads, U.S. Weather Bureau forecasts, taxis, forestry, power utilities and private mobile telephone.

Temperature-compensated superhet circuit, featuring 7 tubes plus voltage regulator, assures excellent stability for virtually drift-free reception. Other features: tuned RF stage, reliable electronic squelch, 5" speaker, jack for headphone or external speaker and illuminated slide rule dial. Size, 7⅞x 11¼x6½". For 110-120 v., 60 cycle AC. 22 lbs.
86 U 718 UM. *$5 Monthly*.....**59.95**

For best VHF-FM reception, use Knight receivers with antennas below.

KNIGHT®

Allied Exclusive

VHF-FM RECEIVERS FOR COVERAGE OF FIRE, POLICE, CD, MARINE, INDUSTRIAL

$59.95

$5 monthly

Here's More Proof Knight Brings You the Finest Quality at a Far Lower Price

Check These Features:

- Electronic Squelch
- Tuned RF Stage
- Voltage Regulator for Excellent Stability
- Premium 7-Tube Circuit
- Headphone External Speaker Jack on Rear Panel
- Built-In 5" Speaker
- Illuminated Slide Rule Dial for Easy Tuning

Squire Sanders "FM-Alert" Monitors for VHF

$79.95 **$5 monthly**

- oltage Regulator Provides Excellent Stability
- ependable Electronic Squelch
- wo Crystal-Control Positions

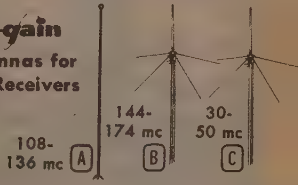
30-50 mc or 152-174 mc

tile high-band VHF-FM receiver, le 152 through 174 mc. Covers , fire, emergency and public services as well as government, rial, mobile marine, railroads, Veather Bureau forecasts, taxis, ry, power utilities and private e telephone.

erature-compensated superhet is loaded with extras—voltage tor for maximum stability, reliable electronic squelch and tuned RF stage. Headphone jack, illuminated dial. 4½x10½x6". Less speaker and crystal, below. For 110-120 v., 60 cycle AC. 7 lbs.
86 U 533. *$5 Monthly*.........**79.95**
86 U 536. 30-50 mc Model.......**79.95**
86 U 534. 3x5" Speaker. 4½x5½x6". Shpg. wt., 2 lbs.....................**9.95**
86 U 535 CF. Crystal. *Specify freq.* 3 oz. *Shipped from Sandwich, Ill. No C.O.D. Allow 30 days*:........................**5.95**

hy-gain

Antennas for VHF Receivers



A **MODEL AA-1—108-136 mc.** Vertical antenna for use with VHF-AM aircraft receivers on preceding page. Mounting clamp for up to 1¼" masts. Shpg. wt., 2 lbs.
86 U 562 X....................**5.95**

B **MODEL GP-150—144-174 mc.** ¼-wave ground plane antenna for 152-174 mc VHF-FM receivers on these pages. 14" high. Wt., 2 lbs.
86 U 210 X....................**5.40**

C **MODEL GP-50—30-50 mc.** ¼-wave ground plane antenna for 30-50 mc VHF-FM receivers on these pages. 14" high. Wt., 2 lbs.
86 U 211 X....................**12.95**

nnas Shipped Separately from Maywood, Illinois

Deluxe SSB/AM/CW Transceiver

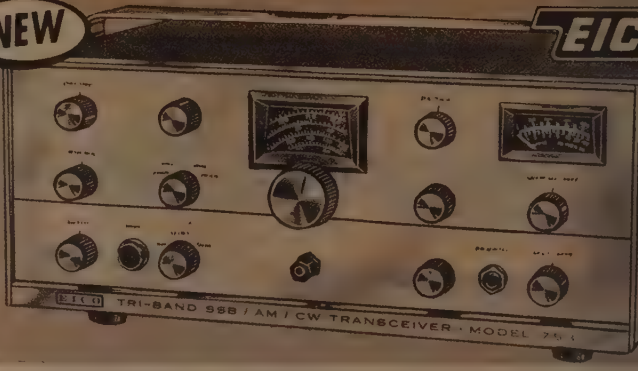
Allied's 45th Year Of Service To Hams

Choose your station equipment or accessories from America's largest inventory of brand-name products. You can buy with confidence when you shop from Allied Radio, by mail or in person.

SAVE AT ALLIED!
Have a trade-in? We offer top-dollar-value for your used equipment. Write or phone our Amateur Catalog Sales Department for a special quotation on your equipment. You'll be pleased to see how valuable your old gear [is toward the purchase of new equipment.

NOTHING TO TRADE?
At Allied you even save when you have no trade-in. If you are interested in a Ham station or SWL outfit, write our Amateur Catalog Sales Dept. A staff of over 60 Hams will help you select top-performing gear. Any station combination, transceiver and power supply, transceiver and antenna, receiver and speaker, transmitter and receiver, etc., will receive a special money-saving quote.

NEW


EIC
TRI-BAND SSB / AM / CW TRANSCEIVER · MODEL 753

Model 753 3-Band Transceiver Kit . . 180 Watts P

$179.95
$9 monthly

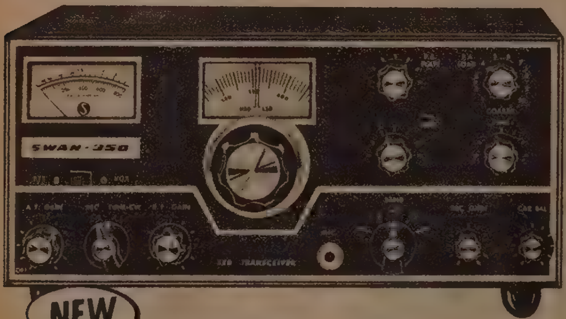
- High-Level Dynamic ALC Prevents Flat-Topping • 180 Wat
- Automatic Carrier Level Adjustment on CW, AM • 2-Speed T
- Receiver 10-kc Offset Tuning Without Altering Transmit Freq
- Front-Panel-Selected Standby, VOX, PTT • Preassembled Xta

Get your SSB transceiver in money-saving kit form. Covers 80, 40 and 20
with LSB on 80 and 40, USB on 20. 180 watts CW and PEP. Receiver sen
1 µv for 10 db S/N. SSB provided by preassembled 5.2-mc crystal lattice filt
kc bandwidth at 6 db down. Features: ALC; carrier level adjustment, receive
tuning; VOX; PTT; grid-block, break-in CW keying; fast attack, slow decay
product/triode detectors; lighted S-meter/cathode current meter; 40-80 oh
net output; TR relay with aux. contacts for linear amplifier; adjustable h
VFO and IF circuit boards. Size, 5½x14x11¼". Optional AC and DC su
below. Shpg. wt., 25 lbs.

90 U 900 MU. *$9 Monthly* 1
90 U 903 MU. Factory-Assembled 753. *$15 Monthly.* 25 lbs. ....
90 U 901 U. Assembled AC Supply/Speaker. Matches 753. With cables. 25 lbs.
90 U 902 U. Assembled 12 VDC Solid-State Supply. Pos./neg. gd. 20 lbs. .....

SWAN

SSB/AM/CW Transceiver . . 400 Watts PE



NEW

$395.00
$18 monthly

Deluxe transceiver boasts 5-band coverage, 400 watts PEP input, stable transistorized VFO, ALC and audio compression for excellent voice quality and maximum talk power.

- 3-Kc Bandwidth Crystal Lattice Filter • Covers 80 Through 10 Meters
- Grid-Block CW Keying, Offset Frequency • Amplified AGC System
- Precision Dual-Ratio Tuning • Sensitivity 0.5 µv for 10 Db S/N
- Adjustable Pi-Network Output • Audio Flat from 300-3300 Cps

Model 350 5-Band Transcei

Covers 80 through 10 meters (28.5–29.0 mc
meters) with 400 watts PEP SSB input, 320
CW and 125 watts AM. Transistorized
unaffected by temperature and voltage ch
Transmitter ALC with audio compression fo
voice quality and maximum talk power.
frequency crystal lattice filter with 3 kc
width. Audio bandpass flat from 300-330
Lower sideband on 80 and 40 meters, uppe
band on 20, 15 and 10 (USB/LSB on all
with optional sideband selector kit).

Receiver sensitivity, 0.5 µv for 10 db S
ratio. Sideband suppression, 40 db; carrie
pression, 50 db. Grid block CW keying,
frequency. Amplified AGC system. Precision
ratio tuning. S-meter functions automa
when receiving. Two 6HF5 power amplifier
Adjustable pi-network output. PTT with
vision for VOX (optional, below), Provisi
crystal calibrator. Size, 5½x13x11". Option
and DC power supplies, below. 15 lbs.

90 U 904 MU. *$18 Monthly* 39

86 U 426 X. Model 117-C Matching AC Pow
ply/Speaker. Provides 800 VDC @ 500 m
and 100 VDC, @ 100 ma. Silicon rectifiers
cables and prewired plug. 5¼x8x11". 17 lbs.

86 U 427 X. Model 412 12- VDC Power Supply.
500 watts. 8x6x4". 7½ lbs. ....

86 U 428. VX-1-VOX Plug-in. 5 lbs. ....

90 U 906. USB/LSB Selector. 2 lbs. ....

5-Band SSB/CW Transceiver

GALAXY

xy V Has 300-Watt SSB/CW Input

80-10 meters (on 10, crystals supplied for 28.0-
6-crystal filter, with 2.1 kc bandwidth, 1.8:1
factor. Selectable sidebands, no frequency jump
changing bands. Stable, linear, capacity-tuned
ALC for maximum talk power, no flat-topping.
ess grid block keying with carrier shifted 1 kc
er passband to avoid leapfrogging. Also: PTT;
tack and release; audio derived AGC; reduced-
tuning position. 40-100 ohms pi-net. 6x10¼x
Optional AC and DC supplies below. VOX,
cor, mobile mounts available on Special Order.
vt., 40 lbs.

07 MX. *$18 Monthly* **399.95**

08 X. Matching Remote VFO. Offers dual fre-
selection. 6x6⅛x6¼". 6 lbs............**59.95**

09 X. Accessory Console. Speaker, digital clock,
patch, SWR. 6x10¼x11¼". 8 lbs.......**99.95**

0 X Speaker. 6x10¼x11¼". 8 lbs.......**19.95**

1 U. AC Supply. Fits in speaker. 24 lbs. **79.95**

2 X. 12 VDC Supply. 8x6¾x4". 5 lbs.....**89.95**

GALAXY V TRANSCEIVER
FUNCTION
EXCITER
PLATE
SIDEBAND
BAND
LOAD

$399⁹⁵ $18 monthly

- 6-Crystal Filter for SSB Generation
- Linear VFO, Illuminated 2-Color Dial
- Indicator Lights for Sidebands
- 10¼" Wide • 2-Speed Tuning • ALC

atts USB or LSB Input On All Bands
atic CW Switching (Semi Break-In)
tate VFO • Diode Detector for AM
AF Gain Controls • VOX and PTT
ate S-Meter and Plate Ammeter

$585⁰⁰ $25 monthly

Drake TR-4 SSB/AM/CW Transceiver

300-watt transceiver covers 80-10 meters, including full 10 meters. Two 9-mc crystal filters for USB/LSB on all bands. 300 watts PEP and 260 watts CW input to three 12JB6 power amplifiers. Linear, solid-state, permeability-tuned VFO tunes 4.9 to 5.5 mc on all ranges. Controlled-carrier AM screen modulator. Full AGC on receive with fast attack, slow release. Also: CW sidetone oscillator; diode detector for AM reception; product detector; 100-kc crystal calibrator; 1000 cps carrier shift grid block keying; pi-net output. 5½x10¾x14⅜". 19½ lbs.

90 U 473 MU. *$25 Monthly* **585.00**

90 U 474 X. AC-3 115 VAC Supply. Fits in MS-3. 5x5x10¼". 16 lbs. *$5 Monthly*....................**79.95**

90 U 475 X. 12 VDC Supply. 4x4x8". 9 lbs.......**129.95**

90 U 476 X. RV-3 Remote Receiving VFO/5" Speaker. 5⅜x10¾x11⅛". 11½ lbs.....................**79.95**

90 U 477 X. MS-3 5x7" Speaker. 5⅜x10⅜x10¾". 9 lbs. *$5 Monthly*..................................**19.95**

90 U 478 X. Mobile Mount. Wt., 1 lb.............**6.95**

ional NCX-5 5-Band Transceiver

te SSB/AM/CW station for 80-10 meters (28.5-
10, additional crystals required for full 28.0-30.0)
ts PEP and CW; 100 watts AM. Digital counter
readout in kc, with additional dial calibration
cycles. Dual conversion with crystal-controlled
quency oscillators on each band and linear, solid-
egulated VFO, free of warm-up drift and line
variations. 8-pole (8-crystal) lattice filter with
shape factor of 1.7:1; width 2.8 kc at 6 db. Also:
le sidebands; ±5 kc independent receiver tuning;
AM detector; grid-block break-in keying with
le release time; ALC; 2 receiver RF stages;
ack, slow decay AGC; VOX/PTT; same tuning
bands; 40-60 ohms pi-net. 6⁵⁄₁₆x13⅝x11⅝". With
nount. 26 lbs.

5 MZ. *$29 Monthly* **685.00**

2 U. 115 VAC Supply/Speaker. Matches NCX-5.
x11⅝". 25 lbs. *$6 Monthly*..............**110.00**

5 X. 12 VDC Supply. 6x4½x4". 12 lbs.....**119.95**

7 X. VX-501 VFO Console. For independent recvr.
⅝x11⅝". 10 lbs..........................**249.95**

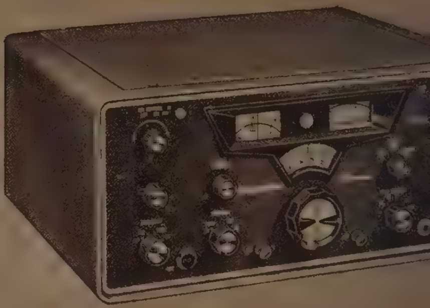
NC
TRANSCEIVER
NATIONAL

NEW!

$685⁰⁰ $29 monthly

- New, Digital-Counter Tuning Readout
- 8-Crystal Filter for SSB Generation
- Solid-State VFO • Selectable USB/LSB
- Automatic-Switching S-Meter/Plate Ma

Top-Value Innovations In Amateur Transceiv



hallicrafters

SR-500 "Cyclone" SSB/CW Transceiver

$395.00
$18 monthly

- Full 500 Watts PEP Input on SSB
- Amplified Automatic Level Control
- ±3 kc Receiver Incremental Tuning
- Covers 80, 40 and 20-Meter Bands

Three-band filter-type transceiver for both fixed and mobile operation on 20, 40 and 80 meters. Conservatively rated at 500 watts PEP input. Incorporates Amplified Automatic Level Control for up to 12 db of effective compression and top "talk power," plus ±3 kc Receiver Incremental Tuning for superior net and CW work. Crystal lattice filter permits quality SSB transmission, with carrier and unwanted sideband rejection of −50 db or better and 3rd and 5th order distortion −30 db.

Frequency coverage: 3.5-4.0 mc (LSB and CW); 7.0-7.5 mc (LSB and CW); 14.0-14.5 mc (USB and CW). Receiver sensitivity, better than 1 µv for 20 db S/N ratio. Built-in changeover relay for direct operation with Hallicrafters HT-45 or other linear. Dual zener regulation on DC. Size, 13x6⅜x11" deep. Provision for optional VOX and crystal calibrator accessories. Less power supplies, below. Shpg. wt., 17 lbs.

90 U 237 Z. *$18 Monthly*........................**395.00**

90 U 238 X. P-500 AC Power Supply/4x6" Speaker. Matches SR-500. 6¼x7½x10". 22 lbs. *$6 Monthly*..........**109.95**

90 U 239 X. P-500 12-VDC Supply. 3¾x10x6¼". 10 lbs. *$8 Monthly*..........................**149.95**

SR-2000 "Hurricane" SSB/CW/AM Tran

$995.00
$42 monthly

- Super-Power 2000-Watt PEP I
- Covers 80 Through 10-Meter
- Amplified Level Control • Line
- USB/LSB Selection • IF Noise

Most powerful Ham transceiver on the market, w
watts PEP input on SSB, 1000 watts input on C
vides complete coverage on all bands from 80 th
meters, plus every important receiver and tra
feature. Boasts highly-stable linear gear drive V
readability to less than 1 kilocycle. Adjustable
blanker suppresses atmospheric, ignition and g
static more effectively than ordinary noise limi
cludes Amplified Automatic Level Control (AA
highly effective compression and talk power. Rec
incremental tuning for superior net and CW.

Built-in VOX, PTT and CW break-in. Superior in
spurious signal rejection. Upper and lower sideba
tion. Provision for plug-in external VFO or DX
Adjustable pi-network output matches any Ama
tenna. Has RF output meter and an S-meter.
cabinet only 10⅝x7³⁄₁₆x15⅛". deep. Less AC powe
below. Shpg. wt., 30 lbs.

90 U 241 Z. *$42 Monthly*..........................

90 U 242 Z. 115 VAC Power Supply/Speaker. M
desk-top unit. Solid-state. Size, 10⅝x15⅛x7³⁄₁₆
wt., 64 lbs. *$15 Monthly*..........................

For car or base. No power supplies to hook up, has AC/DC supplies and cables.

$395.00
$18 monthly

SBE SB-34 4-Band SSB Transceive

- Receiver Tunable Either Side of Transmitter Frequen
- 135 Watts Input on 80, 40, 20 Meters, Slightly L
- Solid-State Switching • Upper-Lower Sideband

Value-packed transceiver has built-in AC/DC
supply. Works 80, 40, 20 and 15 meters. Delta
tuning allows tuning several kc either side of tra
frequency, eliminating "leapfrogging." Solid-state
transmit switching, no relays. Carrier suppress
db; unwanted sideband rejection −40 db. Drift is
less than 100 cycles in 30 minutes. Receiver sensiti
for 10 db S/N. Deluxe features: dual-speed
upper-lower sideband selection, built-in speaker
only ½-amp on standby. 11¼x5x10" deep. Re
for VOX and xtal calibrator (below). 20 lbs.

90 U 233 Z. *$18 Monthly*..........................

90 U 234. 100-Kc Xtal Calibrator. 2 lbs..........

90 U 235. VOX Unit. 4 lbs. *$5 Monthly*..........

90 U 236. Mobile Mount. 1 lb.......................

op Ham Gear For Better Station Performance

SBE

Boosts 80-20 Meter SSB Input to 1000 Watts

$249.50
$13 monthly

SBE SB2-LA Linear Amplifier

ers 1 Kw PEP 80-20 Meters, 750 Watts on 15 Meters
n Solid-State 115 VAC Supply • Built-In Antenna Relays

es at 1 kw PEP input on 80-40-20 meters, 750 watts neters. Designed as a companion to the SBE SB-34, l operate with any SSB transceiver. Requires drive 0 watts upward depending on amplifier power out- as bandswitch, high-low power and tune-operate s. Pi-network output. Built-in solid-state 115 VAC supply. Two antenna control relays; internal block- s. Plate current and output meters. 11¾x5¼x11⅝". vt., 35 lbs.
29 U. *$13 Monthly* **249.50**

-to-AC Inverter for Mobile. Transistorized inverter for A. 120 v. AC output at 1200 watts. 6x3¾x12". vt., 10 lbs.
0 X. *$13 Monthly* **249.50**

DRAKE

Covers All Ham Bands, 160 Through 10 Meters

$379.95
$18 monthly

Drake T4X SSB/CW/AM Transmitter

- **200 Watts PEP Input on SSB, 180 Watts CW Input**
- **Solid-State Linear VFO • Built-In VOX and PTT**

Covers 160-10 meters, providing 200 watts PEP SSB input, 180 watts CW input. Features include: upper-lower sideband selection; solid-state linear permeability VFO; crystal oscillators; VOX and PTT on SSB and AM; semi-break in CW. AM controlled carrier modulation compatible with SSB linear amplifiers. Crystal filters for SSB. Transmitting AGC; shaped grid block keying. Plate current/relative output meter. 5½x10¾x12¼". Less AC supply, below. 15 lbs.
90 U 231 X. *$18 Monthly* **379.95**

90 U 474 U. 115 VAC Power Supply. For TR3, TR4, T4X, T4. 5x5x10¼". 22 lbs. *$5 Monthly* **79.95**

90 U 232 X. T4 Reciter. Plugs into R4 receiver, uses its VFO. Shpg. wt., 10 lbs. **269.95**

A
ht-kit®
EICO
B

GHT-KIT T-60 TRANSMITTER KIT. Nothing like it in its class, thousands sold! Works 6 bands with 60 CW/peak AM phone input on 80 through 10 slightly less on 6. Has pi-net, controlled-carrier AM, b bandswitching, cleanest keying (no high-voltage key), TVI filtering and bypassing, fused silicone- power supply. Requires crystals or VFO. Full on page 75.
4 MXW. *$5 Monthly* **54.95**

720K 5-BAND CW TRANSMITTER KIT. 90-watt trans- er for veteran or Novice. Covers 80 through 10 One-knob bandswitching, pi-network output, keying, 2-way panel meter. Sealed cabinet and by- and choking of input/output leads for effective ppression. Final protected by clamper tube. 6x15x ires crystal or VFO. For 115 v. AC. 30 lbs.
7 U. Kit Form. *$5 Monthly* **89.95**
8 U. Factory Assembled. *$7 Monthly* **129.95**

hallicrafters
C
D
Viking

160 Through 6 Meters

C **HALLICRAFTERS HT-46 SSB/CW TRANSMITTER.** Covers 80 through 10 meters with built-in VFO or crystals. 100-watt crystal filter input on SSB. Frequency control independent or slaved to SX-146 receiver. Break-in CW keying. USB/LSB; meter switching; press-to-talk; AALC. With switchable crystal for 28.5-29.0 mc. 11x13⅛x5⅞". Built-in power supply for 110-120 v., 50-60 cycle AC. Shpg. wt., 26 lbs.
90 U 244 Z. *$17 Monthly* **349.95**

D **JOHNSON VIKING "RANGER II" TRANSMITTER.** 7-band AM/CW, works all bands 160 through 6 meters with built-in VFO or optional crystals. Also serves as RF/audio exciter for high-power equipment. Pi-network final runs 75 watts input CW, 65 watts AM phone. Grid block keying. VFO calibrated for each band. Meter switching. 9⅝x15½x14". Built-in supply for 110-120 v., AC. 56 lbs.
90 U 124 Z. Factory Assembled. *$17 Monthly* **359.50**
90 U 125 Z. Kit Form. *$13 Monthly* **249.50**

SWL and Amateur Receivers, VHF Equipmen

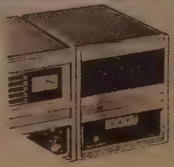
hallicrafters

"Tune-In"
On the Whole
Wide World

New SX-130
General Coverage Receiver

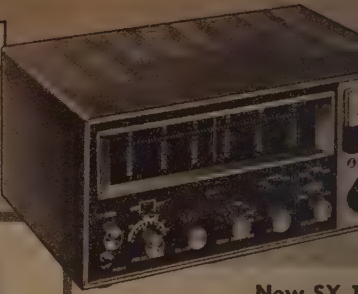
$169 95 AM-SW Receiver With 10-80 Meter Bandspread

Tunes ships, planes, Hams and foreign broadcasts from 1.7-34 mc in 3 bands plus 540-1600 kc AM broadcast. Slide-rule bandspread dial calibrated for 10-80 meter Amateur bands and 11-meter CB. Features: crystal filters; S-meter; CW/SSB product detector; separate bandspread tuning capacitor; RF and 2 IF stages; BFO; ANL; tone control; antenna trimmer. Excellent image rejection. 8x18⅞x9¾". For 105-125 v., 50-60 cycle AC. 25 lbs.
90 U 045 MX. *$9 Monthly*... **169.95**



$34 95 **New R-51 Speaker-24 Hour Clock/Timer**

Speaker with clock and timer matches SX-130, -146, SX-122, SX-117, SX-62B. For 105-125 v., AC. Wt., 7 lbs.
90 U 042 X............. **34.95**
90 U 245 X. R-50. Speaker less clock, timer. 6 lbs....... **19.95**



New SX-1
Amateur-Band Recei

$249 95 With Crysta 80-10 Met

Sensitive, selective receiver through 10 meter Ham bands. 3.5-4, 7-7.5, 14-14.5, 21-21.5, mc with crystals supplied. Has stable conversion oscillator cha tures: 3 selectivity steps (.5, kc); high-frequency quartz cry ter; S-meter; product detector BFO; AVC; antenna trimmer jack; external oscillator inpu 13⅛x11". For 105-125 v., 50- AC. 20 lbs.
90 U 044 MU. *$13 Monthly*... **2**

Our Most Versatile VHF Transceivers and Transmitter

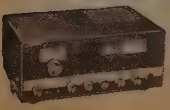
VFO **$49 95** 6-Meter Transceiver **$189 95**

Hallicrafters SR-46 6-Meter Transceiver

Compact 6-meter receiver/transmitter for fixed, portable or mobile communication. Has built-in supply for 115 v. AC and 12 v. DC. Receiver has dual conversion and crystal-controlled 2nd oscillator. Nuvistor in RF gives 3.5 db noise figure. Power input, 10-12 watts. Meter switches automatically from S-meter to RFO. Other features include: ANL; jack for push-to-talk mike; zener-regulated high frequency oscillator; frequency spot switch. Provision for 4 crystals or external VFO. 5x12x8". For 105-125 v., 50-60 cycle AC or 12 v. DC. Less vibrator and DC power cord. 17½ lbs.
86 U 314 MX. *$10 Monthly* **189.95**

90 U 043. HA-26 6 and 2-Meter VFO. For use with SR-46 or SR-42 (below). 7x5x8½". For 105-125 v., 50-60 cycle AC. 8 lbs.. **49.95**

Hallicrafters SR-42 2-Meter Transceiver



Two-meter transmit/receive in compact unit. Has all features of SR-46, above. 5x12x8". For 105-125 v., 50-60 cycle AC or 12 v. DC. 17½ lbs.
86 U 316 MX. *$10 Monthly* **189.95**

VFO **$49 95** 2-6 Meter Transmitter **$149**

Ameco TX-62 6 and 2-Meter Transm

- 75 Watts CW and Peak AM Input to Final Am
- Cool-Operating Solid-State AC Power Supply
- Broadbanded Circuits, Minimal Tuning Required

Transmitter works 50-54 and 144-148 mc with 7 CW and peak AM input to 7984 final. All circuit the final are broadbanded, only the final plate and capacitors have to be tuned. Built-in modulator an state AC supply. Meter reads final cathode curre grid current and RF output. Potentiometer-typ control. Audio gain control. Jack for push-to-tal Requires 8-mc crystals or external VFO. Size, 9½". For operation from 105-125 v., 50-60 cy Shpg. wt., 21 lbs.
86 U 321 MX. *$8 Monthly* **1**

New Ameco VFO-621 6-2-1.4 Meter

Highly-stable VFO for 50, 144 and 220 mc. Matc 62, and can be used with any transmitter using 8- tals. Features: chirpless keying; transistorized os for short warmup time; zener-regulated supply bands calibrated. Plugs into crystal socket. 6x5x7 105-125 v., 50-60 cycle AC. 7 lbs.
90 U 046 M. *$5 Monthly*..............................

VHF Transceivers, Linear Amplifier

Clegg

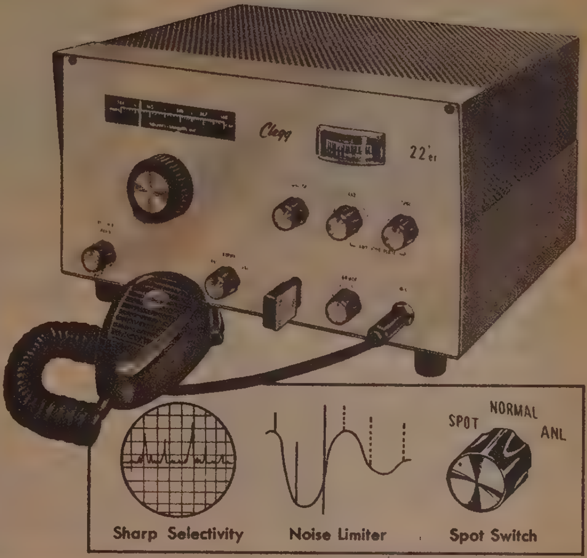
2'er" 2-Meter Phone Transceiver

Fixed/Mobile Station **$239.50** $12 monthly

ilt-In 115 VAC/12 VDC Solid-State Power Supply
ate and Screen Modulation for "High Talk Power"
gh-Sensitivity Nuvistor RF • Built-In Speaker

started in VHF at low cost with this ready-o 2-meter AM phone station. Features *triple-*version receiver with nuvistor front-end, servatively rated 11-watt AM input, and self-tained universal power supply. Receiver ts a crystal lattice filter to profide 8-kc ctivity with steep skirts, 0.25 µv sensitivity 10 db signal-to-noise ratio, and better than lb image rejection. Has slide-rule tuning, -tuning control, S-meter (doubles as relative output meter), automatic peak noise limiter, built-in speaker.

nsmitter features high-level plate/screen ulation with speech clipping. Broadband ter tuning makes it easy to peak transmitter maximum output power. Has push-to-talk e input, spot switch. 2E26 final amplifier. Re-es 8 or 12 mc crystals, or VFO. 12x10¾x6⅛". 105-125 v., 50-60 cycle AC and 12 v. DC. mike and crystals. Shpg. wt., 30 lbs.
320 MX. *$12 Monthly*........... **239.50**



Deluxe 6-Meter Transceivers and Linear Amplifier

Clegg

CLEGG
VENUS

"Venus VI" Transceiver

/CW/ AM **$495.00** $21 monthly

c SSB without the fuss and ex-e of adapting low-frequency excit-nd linears. Includes lattice filter, aced modulator, low-noise nuvis-ront end. Runs 85 watts PEP in-all modes. Range, 50.0 to 50.5 Less than 100 cps/hour drift after inute warm-up. Suppression: 50-arrier, 40-db unwanted sideband, distortion products. Receiver tivity, 0.25 µv for 10 db S/N; tivity, 2.8 kc at 6 db and less than at 50 db. Fast attack/slow release . Receiver offset control provides kc. receiver tuning, independent nsmitter. Size, 7x15x10½". With microphone. Requires AC sup-below. Wt., 24 lbs.
317 MU. *$21 Monthly*... **495.00**
318 U. 115 VAC Power Supply. 7x10¾". Shpg. wt., 22 lbs.
onthly........................ **110.00**

Clegg APOLLO 700

"Apollo 700" 6-Meter Linear

350 Watts SSB/CW **$247.50** $13 monthly

Gives you big-station 6-meter performance. Delivers clean, powerful sideband signal when driven by the Venus transceiver or other SSB exciters. May also be driven by AM exciters, such as the 99'er, at reduced output levels. Power input, 675 watts peak DC. RF power output: 350 watts SSB (PEP) or CW; 75 watts AM (carrier with 180 ma plate current). Built-in solid-state power supply. Illuminated grid current, relative output and plate current meters. No neutralization necessary. Instant exciter/linear selection when used with Venus (others require plug-in relay). Blower for cool operation. 50-70 ohm pi-net output. 7x15x 10½". For 115 v., 60 cycle AC. Shpg. wt., 43 lbs.
90 U 243 MU. *$13 Monthly*... **247.50**
90 U 246. Apollo/Venus Cable. Shpg. wt., 1 lb........................ **9.75**

"Thor VI" Transceiver

CW/AM **$260.00** $13 monthly

Renowned for superb performance with VHF fans everywhere. Transmitter runs 60 watts input on AM/CW with high-level plate/screen modulation, up to 12 db clipping, and clean CW keying. VFO covers 50.0 to 51.4 mc with less than 3 kc/hour drift after 20-minute warmup. Heterodyne-type VFO automatically tracks receiver if desired. Broadband tuner for easy peaking. Receiver has 0.25 µv sensitivity. Crystal lattice filter for selectivity of 6 kc at 6-db points—tunes 49.8 to 52.1 mc. Also: ANL; AVC; S-meter; speaker; antenna switching. 6¼x12x 8½". Less power supply/modulator units, below. 18 lbs.
90 U 463 MU. *$13 Monthly*... **260.00**
90 U 462 U. 115-VAC Supply/Modulator. 6½x12x8½". 30 lbs.......... **139.95**
90 U 465 U. 12-VDC Supply/Modulator. 10x4¾x5⅛". 23 lbs........... **159.95**

Selected, Famous-Name Amateur Receivers

Drake R-4 Triple-Conversion Receiver

$379.95

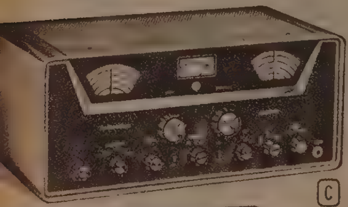
$18 monthly

Ham Band Receiver with Continuously Movable 4-Step Selectivity . . . Noise Blanker, Too!

This triple-conversion Amateur band receiver is loaded with exciting features! Covers 80, 40, 20 and 15 meters plus 28.5-29.0 mc with crystals supplied. *Crystals for other 500-kc segments from 1.5-30 mc available on special order.* Selectivity control provides bandwidth choice of .4, 1.2, 2.4 and 4.8-kc. Passband tuning permits SB selection without retuning and adjustment. Also includes: ½-μv sensitivity; noise blanker; notch filter; independently tuned pre-selector; 100-kc calibrator; S-meter; and much more! 13 tubes, 7 diodes. 5½x10¾x11⅝". Less speaker, below. For 120/240 v., 50-60 cycle AC. Shpg. wt., 19¾ lbs.

90 U 486 X. *$18 Monthly*................ **379.95**

90 U 487 X. MS-4 Speaker for above. 5⅜x10¾x10¾". Shpg. wt., 8¾ lbs.................... **19.95**

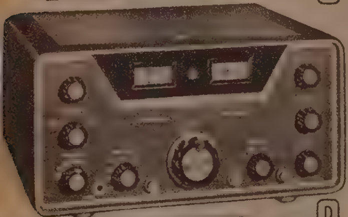


General Coverage AM-SSB

$274.95

$14 monthly

C



Amateur Band SSB-CW-AM

$379.95

$18 monthly

D

.55-109 mc AM-SW-SSB-FM Stereo MX

$495.00

$21 monthly

E

National NC-190

$239.95 $12 monthl

A

Squires-Sanders SS-1V Bandscanner

$395.00 $18 monthly

A **NATIONAL NC-190 RECEIVER.** Popular dual-conversion, gen coverage receiver. Tunes 540 kc to 30 mc with bandsprea 80-10 meter bands. Offers: variable IF selectivity; S-meter; sensitivity; and more! 8¾x15¾x9". Less speaker. For 115 50-60 cycle AC. 27 lbs.

90 U 001 U. *$12 Monthly*............................ **239**

90 U 003 X. NTS-3 Speaker. 8⅝x5⅝x4⅝". 5 lbs............ 1

B **SQUIRES-SANDERS SS-1V VIDEO BANDSCANNER.** Works any receiver to give visual indications of all signals in a b Any portion of band can be expanded to full scale for deta examination. Marker pip shows exact frequency to which ceiver is tuned. Dead bands can be monitored without detu receiver; "pile-ups" can be detected visually. Can also be with transmitters for monitoring envelope. 7½x13¼x13". 115 v., 50-60 cycle AC 19 lbs.

86 U 856 X. *$18 Monthly*............................ **395**

Hallicrafters Communications Receive

C **SX-122.** Outstanding general-coverage receiver for the Ama or listener who wants peak SSB/CW/AM performance moderate price. Covers 538-1580 kc and 1720 kc to 34 mc bands, with dual conversion throughout and bandspread for 8 meters. Includes: 3 selectivity steps (.5, 2.5, 5-kc) at 6 db do crystal-controlled 2nd converter; product/envelope detect series noise limiter; amplified AVC; S-meter; selectable U LSB; 1 μv sensitivity. 8x18¾x9¾". Less speaker, below (can be used with R-51 speaker listed under SX-117 below). For 120 v., 50-60 cycle AC. 32 lbs.

86 U 553 X. *$14 Monthly*............................ **274.**

90 U 060 X. R-48A Speaker for Above. 6⅝x13¼x8¼". 9 lbs. **1**

D **SX-117.** Skillfully designed, triple-conversion receiver deluxe SSB/CW/AM reception. Features crystal contro HFO on 5 Ham bands. Crystals furnished for 3.5-4, 7-7.5, 14-1 21-21.5 and 28.5-29 mc. Includes: transmitter-type linear tuning with crystal-controlled 1st and 3rd converters; select sidebands; product/envelope detectors; ½ μv CW sensiti 7⅛x15x13". Less speaker, below. For 110-120 v., 50-60 cycle Shpg. wt., 21 lbs.

90 U 061 U. *$18 Monthly*............................ **379.**

90 U 458. HA-10 160-Meter Converter. 5 lbs................ **2**

90 U 245 X. R-50 Speaker. 8½x7¾x6¾". 6 lbs.............. **1**

90 U 042 X. R-51 Speaker with Digital Clock. 8½x7¾x6¾". 7 lbs. **3**

E **SX-62B.** The ultimate in versatility for Amateur or short-w listener, this deluxe general coverage receiver continuo tunes a remarkably wide 6-band range—from 550 kc to 109 And it includes facilities for AM, SW, SSB, FM and FM Ste Multiplex reception, so virtually any type of broadcast can received. Push-pull output provides 10 watts of full-freque audio. Other features: 4-position tone control; 500-kc calibrat crystal; 6-position crystal filter; 2 RF and 3 IF stages; 60:1 tun AVC; ANL; phono input jack 10½x20x16". Less speaker, bel For 115 v., 50-60 cycle AC. 61½ lbs.

90 U 540 Z. *$21 Monthly*............................ **495.**

90 U 042 X. R-51 Speaker w/ Digital Clock. 8½x7¾x6¾". 7 lbs. **3**

enowned Hammarlund Amateur Receivers

HQ-100AC. Moderately priced general-coverage Amateur receiver that offers truly outstanding sensitivi- selectivity and stability for its price class. Provides erage of 540 kc to 30 mc in 4 bands with calibrated ndspread for the 80-10 meter Ham bands. Separate iable BFO and Q-multiplier permit continuously iable selectivity on all modes. Exclusive "Auto Re- nse" circuit adjusts audio to fit all conditions. erage sensitivity: 1.75 μv. Also includes: ANL; S- ter; antenna compensator; built-in 24-hour clock er. 9 7/16x16 1/4x9 1/8". Less speaker, below. For 115 v., 60 cycle AC. 30 lbs.

U 660 U. *$10 Monthly*.................... **199.00**

U 659 X. S-100 Speaker for above. 9 5/8x9 5/8x7". g. wt., 8 1/4 lbs............................**14.95**

HQ-170AC. Deluxe Ham-band receiver provides peak SSB-CW-AM performance and full coverage of the 10, 15, 20, 40, 80 and 160-meter Amateur bands. ploys triple-conversion on 40 to 6 meters; dual- version on lower bands. Average sensitivity: 1.5 AM; 7 μv CW. Includes ±3-kc vernier tuning; electivity positions; 60-db slot filter; "Auto Re- nse" audio ANL; 100-kc crystal calibrator; and 24- r clock timer. 10 1/2x19x13". Less speaker, below. 115 v., 50-60 cycle AC. 47 lbs.

U 543 U. *$18 Monthly*..................**379.00**

U 271 U. HQ 170CVHF. Same as above, *plus* 2-meter erage—the only 160 through 2-meter receiver! Shpg. 48 lbs..................................**439.00**

U 656 X. S-200 Speaker. 11x12x9". 12 lbs......**19.95**

U 549. Noise Silencer. 2 lbs......................**33.50**

HQ-180AC. Precision receiver meets the most critical needs of both Ham and commercial users. Covers kc to 30 mc in 6 ranges; provides superb SSB, CW AM performance. Has triple conversion above 7.85 dual conversion below. Sensitivity: 1.5 μv AM; .7 CW. Features: ± 3-kc vernier tuning; 60-db slot r; selectable sidebands; tuned IF; linear product/ le detectors; selectable AVC; "Auto Response" io; built-in crystal calibrator; 24-hour clock timer; much more. 10 1/2x19x13". Less speaker, below. For /230 v., 50-60 cycle AC. 48 3/4 lbs.

U 554 U. *$20 Monthly*....................**459.00**

U 656 X. S-200 Speaker. 11x12x9". 12 lbs..... **19.95**

U 549. Noise Silencer. 2 lbs....................**33.50**

A

General Coverage .54-30 mc

$199.00

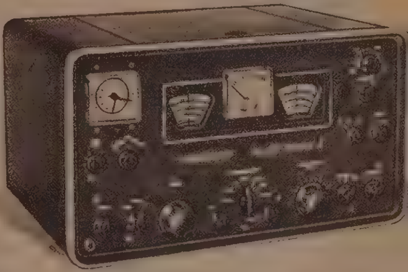
$10 monthly

B

6 to 160 Meter Ham Bands

$379.00

$18 monthly



C

General Coverage .54-30 mc

$459.00

$20 monthly

HAMMARLUND
HQ-88

NEW

hly Stable Receiver . . . .

dy as a Rock!

s Exact Frequency, Even Under the Most rse Conditions of Vibration, Shock and erature Change.

$325.00

$16 monthly

HQ-88 High-Stability Receiver

- Thermal Drift 50 Cycles or Less After Warmup
- Highly Selective; Skirt Ratios Better than 3-1
- Completely Separate AM and SSB Detectors

Highly stable Ham band receiver. "Steady as a rock," it holds its frequency under all conditions—no need to tip-toe around the shack when the HQ-88 is in operation! Covers all Amateur bands from 10 through 160 meters with AM, SSB, CW and RTTY reception. Also tunes MARS stations. WWV and the Marine band.

Features highly selective (2.2-kc and 5-kc) circuits, with skirt ratios of better than 3 to 1. Sensitivity is 0.75 μv for 10 db AM S/N, and better than 0.40 μv for SSB and CW. Thermal drift is rated 50 cycles or less, after a short warmup.

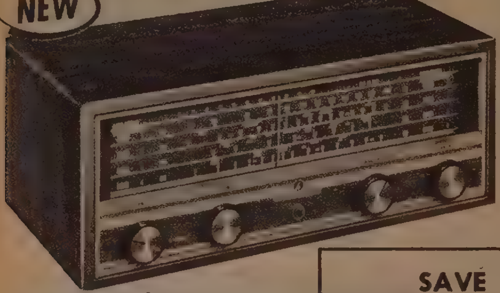
Other features include: separate AM and SSB detectors; series noise limiter; RF preselector with tuned circuits; accurate S-meter; Q multiplier; and much more. In attractive cabinet, 7 3/4x15x10 1/2". Less speaker, below. For 115 v., 50-60 cycle AC. Shpg. wt., 18 lbs.

89 U 333 Z. *$16 Monthly*...............**325.00**

89 U 334 X. S-88 Speaker. 4 1/2x5 1/2x9". 3 lbs. **14.95**

hallicrafters Low-Cost Shortwave Receivers

NEW



S-200 and Clock Bonus
$\$59^{96}$
$5 monthly

S-200 Alone
$\$59^{95}$
$5 monthly

SAVE $7.69

only 1¢ more
Mastercrafters 24-Hour Clock With Purchase of Either Shortwave Receiver

S-120 and Clock Bonus
$\$69^{96}$
$5 monthly

S-12
Alo
$\$69$
$5 mon

S-200 SW Receiver With Illuminated Dial

- Four International Broadcast Bands plus Standard Broadcast
- Dial Shows Where to Tune Various Countries • Tone Control
- Built-In Speaker • Headphones Output Jack • Two Antennas

Value-packed shortwave and AM standard broadcast receiver has four spread-out *full dial* International Broadcast bands for extra-wide station separation. Very easy to tune. Slide-rule dial is labeled with countries' names for finding major international radio stations. Five bands cover 550 to 1600-kc standard broadcast bands, plus these bands: 5.9 to 6.25 mc, 9.45 to 9.8 mc, 11.65 to 12.05 mc and 15.05 to 15.55 mc.

Hear programs in English and foreign languages, on-the-spot news, music, drama, even lessons in foreign languages. Receiver has built-in speaker, universal-impedance headphones output, tone control, built-in antenna for standard AM, external wire antenna for SW. Walnut-grain metal cabinet looks fine in any room. 5⅞x13½x8¾". Clock mounts on wall, has 8"-dia. chrome case. Receiver for 110-120 v. AC-DC, clock for 60 cycle AC only. 15½ lbs.

20 U 427 AL2X. *$5 Monthly.* **Receiver and Clock.....59.96**
86 U 405 X. S-200 Receiver Alone. Wt., 15 lbs........**59.95**
89 U 472. Clock Alone. Shpg. wt., 1½ lbs.............**7.70**

S-120 SW Receiver for Broadcast and Coc

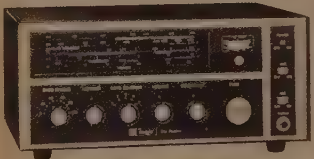
- Tunes 1600 Kc to 30 Mc in 3 Bands, plus Standard Broac
- Electrical Bandspread for Easy Tuning • Built-In Spe
- Ferrite Loop and Whip Antennas • BFO for Code Recep

General-coverage receiver lets you hear ships, pla
Amateur radio operators, foreign radio stations, nav
tion beacons, control towers, weather forecasts, W
time signals, Citizens Band conversations, local AM br
casts, and more. Splendid for the shortwave listene
beginning Ham. Tunes 550 to 1600 kc and 1600 kc t
mc shortwave in 3 bands. Covers all International Br
cast bands.

Bandspread control electrically spreads-out stations, m
tuning easy. Also has BFO for Morse-code recept
headphone jack, automatic volume control circuit to
vent blasting, built-in ferrite loop and whip antennas,
self-contained speaker. Mastercrafters 24-hour clock,
wall mounting, simplifies logging. Receiver, in 5⅞x1
8¾" steel cabinet, is for 105-125 volts, 50-60 cycle A
DC, clock for 60 cycle AC only. Shpg. wt., 13 lbs.

20 U 426 AL2X. *$5 Monthly.* **Receiver and Clock.....69**
90 U 064 X. S-120 Receiver Alone. Wt., 11½ lbs......**6**
89 U 472. Clock Alone. Shpg. wt., 1½ lbs.........

knight-kit® Star Roamer®



$\$39^{95}$
$5 monthly

- 200-400 kc; 550 kc-30mc
- Electrical Bandspread
- S-Meter • 4" Speaker

Easy-to-build shortwave receiver kit covers wide range of bands, including long wave. World's best-selling SW kit. Features include ANL, AVC, antenna trimmer, headphone jack. Complete details on page 95. With all parts, cabinet, instructions. Shpg. wt., 15 lbs.
83 U 102 XW. *$5 Monthly.....* **39.95**

Selected Shortwave Listener's Accessories

$\$8^{95}$ Complete Weather Station

$\$12^{95}$

$\$7^{70}$

A **THERMOMETER/BAROMETER/HYGROMETER.** Complete home weather station, mounted on beautiful wood-grained wall panel. Temperature, barometric pressure and relative humidity. 5¾x15½". 2 lbs.
86 U 855 M.....................8.95

B **REPLOGLE 12" "TALKING GLO**
PACKAGE. Relief (raised surfa
shows mountains, valleys, etc. Fli
time/air mileage scale. Earth-hist
book. 33⅓ rpm record takes y
"around the world." 7 lbs.
86 U 173 X..................12

C **MASTERCRAFTERS 191 24-HOUR CLOCK.** For accurate local time and c
version to GMT, a "must" for SWLers and Hams. South-polar project
shows time anywhere. 8"-dia. chromed case. 110 v. 60 cycle AC. 1½
89 U 472..7

Amateur and SWL Accessories and Crystals

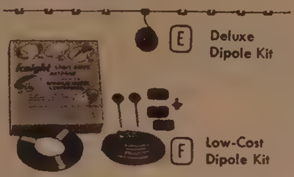
Antenna Accessories

Y-GAIN LA-1 COAXIAL LIGHTNING RRESTER. Protects antenna, rig. For r 72-ohm lines. Handles fully-modu- 1000-watts with 2:1 SWR. SO-239 gs; flange. Requires ground. Wt., 1lb.
566. *$5 Monthly*............**19.95**

FAMOUS-NAME PL259 COAXIAL CON-CTORS. MIL Spec. Save 30%. 1 lb.
643...............**Pkg. of 4 for 1.59**

OAXIAL SWITCH. 2-pole; 5 position. kw, 80-10 meters. 3 lbs.
44.........................**7.95**

Shortwave Antennas



-GAIN SW-9 WINDOW ANTENNA. Provides good oadband performance where space does not permit dipole. 9-ft. tubular aluminum element. Universal w mounting bracket and feedline. Can be installed nutes. Shpg. wt., 3 lbs.
16...................................**9.95**

OSELY SWL-7 SHORTWAVE DIPOLE KIT. For 11 ough 49-meters shortwave bands. Includes traps, ctor, 45′ copper wire, insulators and 100′ lead-in. wt., 4 lbs.
46....................................**15.04**

IGHT® SHORTWAVE AND BROADCAST BAND DIPOLE . Low-cost antenna kit for shortwave and broadcast Really helps to pull-in far-away stations. Great for ns. Includes 50′ copper wire, insulators, 65′ lead-in. wt., 4 lbs.
17....................................**3.95**

Foam Polyethylene Coax

As Low As $5.50

Lowest Line-Loss, Greatest Efficiency

Low transmission-line-loss foam polyethylene made-up coaxial cables. For Amateur, commercial or Citizens Band fixed or mobile station installations. RG-8/U cable is 50 ohms impedance, handles 2000 watts RF at frequencies below 30 mc. RG-58/U is 53.5 ohms, handles 430 watts RF below 30 mc. Black vinyl jacket, Amphenol PL-259 coaxial connectors at each end.

86 U 883. 50′ Coil RG-58/U Cable. 2 lbs..............**5.50**
86 U 884. 100′ Coil RG-58/U Cable. 4 lbs.............**8.95**
89 U 519. 50′ Coil RG-8/U Cable. 7 lbs...............**8.50**
89 U 522. 100′ Coil RG-8/U Cable. 11 lbs.............**13.95**

Amateur and Special-Purpose Crystals

PETERSEN PR-TYPE Z-9C TRANSMITTING CRYSTALS. Pin spacing, .486″. Pin dia., .093″. Tolerance, ±.03%. Black phenolic holder. Size, 1⅛x$^{13}/_{16}$x$^{7}/_{16}$″. Specify frequency; supplied ±5 kc of frequency specified. Shpg. wt., 3 oz.

Stock No.	Frequency (kc)	Stock No.	Frequency (kc)	EACH
90 U 379 CS	1800-2000	90 U 402 CS	7000-7334	2.95
90 U 381 CS	3500-4000	90 U 403 CS	8000-9228	2.95
90 U 380 CS	6740-6800	90 U 404 CS	8340-8450	2.95

JAMES KNIGHTS H-173 AMATEUR CRYSTALS. Low-current types. Pin spacing, .486″. Pin dia., .050″. Special order; allow 30 days del'y. 3 oz.

Specify Frequency

Stock No.	Frequency	Tolerance	EACH
90 U 382 CF	1.8-40 mc	±.01%	4.95
90 U 383 CF	1.8-75 mc	±.005%	5.95

90 U 393 CF. JK H-73. Exact freq. .486″ space, .093″ pin dia. Specify 1.8-18.0 mc. Allow 30 days del'y. 3 oz........**4.80**

JK H-93 FREQUENCY-STANDARD. .903″ pin dia.
90 U 384. 100kc. **90 U 385.** 1000 kc...........Each **6.95**

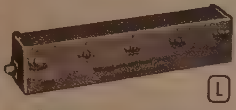
JK SPECIAL-APPLICATION CRYSTALS. .486″ spacing; .093″ pin dia. ¾x2$^{23}/_{32}$x$^{5}/_{16}$″. *3rd overtone. 3 oz.

Stock No.	Type	Frequency	Tolerance	Application	EACH
90 U 386	H-17L	4.5 mc	±.005%	TV alignment	4.80
90 U 387	H-17L*	27.255 mc	±.005%	Radio control	2.50

enter ulator 3.95

d Insul. 2.00 Pr.

Johnson 250-23-3 Matchbox $94.95 $5 monthly



$16.90 Bud LF-601A Low-Pass Filter

$14.95 Johnson 250-20 Low-Pass Filter

"Blitz-Bug" Coax Lightning Arrester $3.95

$14.95 Clegg Type 372 Low-Pass Filter

$16.95 Drake TV-1000-LP Low-Pass Filter

Johnson 250-39 KTR Switch $29.95 $5 monthly

U 351. Hy-Gain Cl· Center Insulator. For doublets. kes ¼″ or ⅜″ coax. 1 lb..................**Each 3.95**
49. End Insulators. 7″ long. 1 lb...............**Pair 2.00**

U 044. Cush-Craft Lightning Arrester. Prevents coax nctures. Type 83 connectors. 4 oz...............**3.95**

U 527 X. 250-23-3. 52 Ω to 25-1500 Ω bal., 25-3000 bal. SWR. TR relay. 750 w. PEP. 15 lbs......**94.95**
29 X. 520-23. Above, less SWR meter........**64.95**
28 U. 250-30-3. 52 Ω to 50-1500 Ω bal., 50-2000 Ω SWR meter, TR relay. 3 kw PEP. 27 lbs....**154.50**

K **86 U 587. Clegg 372 Low-Pass Filter.** Rated 240 w., 80-10 meters; 120 w., 6 m. −28 db, 55 mc; −40 db, 68 mc. 52 ohms. Takes PL-259s. 2 lbs.....................**14.95**

L **89 U 457. Bud LF-601A Low-Pass.** 1 kw, 80-10 m. 42 mc cutoff. −85 db, 54 mc. 52-72 Ω. 3 lbs...........**16.90**

M **89 U 455. Drake TV-1000-LP Low-Pass.** 1 kw, 80-10 m.; 200 w., 6 m. 52 mc cutoff. 52 ohms. 2 lbs........**16.95**

89 U 456. TV-100-LP. 100 w., 80-10; 20 w., 6. 2 lbs......**5.95**

N **90 U 525.** 250-20. 1 kw. −75 db, 54 mc. 4 lbs....**14.95**

P **89 U 305.** 250-39. 4 kw. 115 VAC. 5 lbs..........**29.95**

Your Accessories on Our Credit Fund Plan

hy-gain Amateur Antennas and Package Off

VHF Beams with Rotator Packages

66-B
6 meter
U-100 Rotator,
100′ Coax.
DB-62
6 and 2

66-B 6-Meter Beam Package

Save $7.65 $73.00 $5 monthly

Includes Hy-gain 66-B 6-Element Beam, Alliance U-100 Rotator System and 100′ of RG8/U Coaxial Cable, PL-259s attached. Beam has 15 db forward gain, 24′ boom, Beta match and 1 kw rating. Rotator system described on facing page. Wt., 40 lbs.
23 U 537 AL3Z. *$5 Monthly*.....73.00
86 U 165 ZW. 66-B Alone. 17 lbs. **38.50**

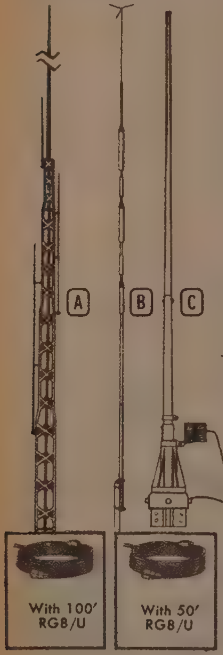
DB-62 6-2-Meter Package

Save $7.81 $68.95 $5 monthly

Includes Hy-Gain DB-62 Beam, Alliance U-100 Rotator System, 100′ of RG8/U Coax with PL-259s attached. Beam features: 4 elements on 6 meters with 8 db gain; 18 elements on 2 meters with 15 db gain; F/B ratio, 15-20 db; 10′ boom, elem. 30 lbs.
23 U 797 AL3Z. *$5 Monthly*.....68.95
89 U 758 ZW. DB-62 Alone. 7 lbs. **32.95**

"28" 8-ELEMENT 2-METER BEAM. 16.5 db. 14′ boom. Shpg. wt., 5 lbs.
86 U 167 ZW...**16.50**

Hy-Gain Multiband Vertical Packages



Save $7.00 $146.45 A **18-HT "Hy-Tower" Package for 10 through 80 Meters**

Self-Supporting Vertical for 10, 15, 20, 40, 80 meters with 100′ of RG8/U Coax with PL259s attached. Uses stub decoupling. X-braced steel tower is completely self-supporting. Ht., 50′. With base insulators. Less ground rod. 118 lbs.
23 U 926 AL2Z. *$8 Monthly*..................**146.45**
89 U 769 ZW. 18-HT Alone. 107 lbs............**139.50**
86 U 147. LC-160 160-Meter Loading Coil. 1 lb....**12.95**

Save $3.95 $34.50 B **14-AVQ Trap Vertical Package for 10 through 40 Meters**

Self-supporting Vertical with 50′ RG8/U and PL259s. 20′ high. Mounts on roof or ground. Takes 2 kw PEP. Requires roof mounting kit, below. 17 lbs.
23 U 798 AL2Z. *$5 Monthly*..................**34.50**
89 U 765 ZW. 14-AVQ Alone. 11 lbs.............**29.95**
89 U 767 ZW. Roof Mtg. Kit. Mast, etc. 5 lbs.....**11.95**
89 U 350. 80-Meter Loading Coil. 1 lb.............**7.95**

Save $2.45 $22.80 C **18-V Trapless Vertical Package for 10 through 80 Meters**

Low-cost vertical tunes 10 through 80 meters by simple adjustment. With 50′ RG8/U coax with PL259s attached. Heavy-wall aluminum tubing radiator. Heavy-duty base insulator. 18′ high. Completely self-supporting. Shpg. wt., 16 lbs.
23 U 799 AL2X. *$5 Monthly*..................**22.80**
86 U 043 X. 18-V Alone. 4½ lbs...............**16.95**

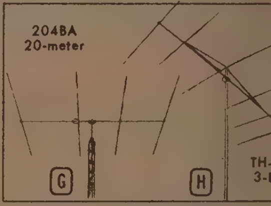
TH-3MK2
TH-3JR
Rotator,
RG8/U

"Thunderbird" Beam Pack

TH-3JR Package Save $11.70 $136.95 $7 monthly : **TH-3MK2 Pa Save $1 $163.95**

TH-3JR "THUNDERBIRD JUNIO BANDER" BEAM PACKAGE. 3-El Beam for 10, 15, 20 meters rat watts PEP, plus CDR TR-44 R System and 100′ RG8/U Coax PL259s. 8 db gain, SWR less th Turning radius, 12′8″. Wt., 59 l
23 U 928 AL3Z. *$7 Monthly*...
90 U 472 ZW. TH-3JR Alone. 28 lbs.

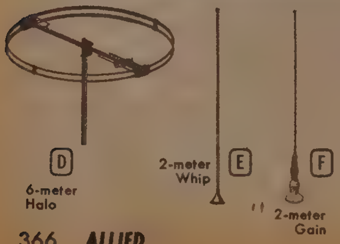
TH-3MK2 "THUNDERBIRD TRI-BA BEAM PKG. 3-Element Beam f 15, 20 meters handles maximu power. With TR-44 Rotator S and 100′ RG8/U Coax with P "Slim Line" traps, SWR less 2:1. 14′ boom. Longest elemen Turning radius, 14′8″, 67 lbs.
23 U 929 AL3Z. *$8 Monthly*...
89 U 754 ZW. Beam Alone. 36 lb.



G **204BA 20-METER BEAM.** 5 spaced elements on 26′ boo db gain, up to 25 db F/B ratio, less than 1.5:1. Beta matched. 1 kw AM. Longest element, 1⅝″ mast. For tower or rotator.
90 U 282 ZW. *$5 Monthly*....

H **TH-6DX "THUNDERBIRD TRI-BAN** 6-element beam offers 8.7 d on 10, 15 and 20 meters. "Slim traps, SWR less than 2:1. 24′ Longest element, 31′. Turning r 26′. Handles maximum legal Shpg. wt., 60 lbs.
86 U 605 ZW. *$7 Monthly*.....

Easy-to-Mount Mobile Antennas for 6 and 2-Meters



D **HH6BK 6-METER HALO SYSTEM.** Includes Omnidirectional Center Mount Halo, HMBA Mast, Bumper Mount. Halo has tuning rods. 52-ohm Beta match. 5¼ lbs.
86 U 258 X......................**16.50**

86 U 259 X. HH6BA Halo. Above halo alone. 52-ohm match. 2¾ lbs...**10.95**

86 U 260 X. HH2BA 2-Meter Halo. Omnidirectional center-mount halo. 52-ohm Beta match. 1½ lbs........**5.95**

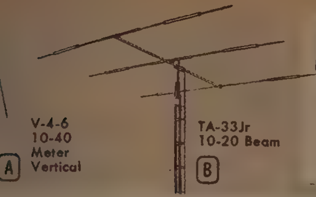
86 U 261 X. 2-Meter Stacking Kit. 3 db with 2 halos. 1½ lbs.......
86 U 263 X. HMBA 5′ Mast. 4 lbs

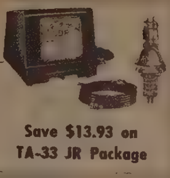
E **MW2 2-METER WHIP.** ¼-wave less steel whip. 16″ long. S hole mount for roof or deck.
86 U 264 X...................

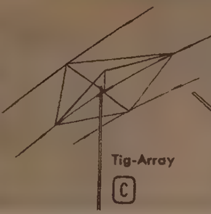
F **MG2 2-METER GAIN ANTENN** wave whip for 3.4 db gain. assembly for roof or deck.
86 U 265 X...................

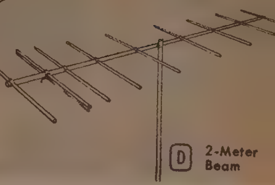
mateur Antennas, Towers, Rotators

Mosley




Save $13.93 on TA-33 JR Package





A **V-4-6 FOUR-BAND VERTICAL.** For 10, 15, 20, 40 meters. Rated 1 kw. Telescopes to 20′. With mtg. plate, guys. Less radials, coax. 12 lbs.
89 U 788 ZW. *$5 Monthly* **28.50**
89 U 371. D-4BC 80-Meter Base Loading Coil. For V-4-6. 4 lbs. **16.45**
89 U 519. 50′ RG8/U Coax, 2 PL259s. 6 lbs. **8.50**

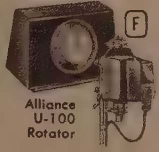
B **TA-33Jr BEAM PACKAGE.** Mosley TA-33Jr Trap-Master for 10, 15, 20 meters; CDR TR-44 Rotator System; 100′ RG8/U, 2 PL-259s. 300 watts. Longest element, 26′8″; boom, 12′; turning rad., 14′9″. See MPK-3, TA-40KR, right.
23 U 794 AL3Z. *$7 Monthly.* 60 lbs. **137.95**
89 U 787 ZW. TA-33Jr Alone. 29 lbs. **72.98**
89 U 786 ZW. TA-33. Similar to above, but 1 kw. Requires CDR HAM-M rotator. 55 lbs. **104.75**

C **NEW MP-33 "TIG ARRAY" BEAM.** 3-element beam handles 750 watts AM or 2 kw PEP final on 10, 15 and 20 meters. 8 db gain; F/B 20 db; 1.5:1 SWR. Longest element, 25′. Turn radius, 15′. 35 lbs.
89 U 330 ZW. *$5 Monthly* **82.91**
89 U 329 ZW. MPK-3 Conversion Kit. For TA-33Jr, TA-31Jr, TA-32Jr.—Increases rating to 750 watts AM or 2 kw PEP. 10 lbs. *$5 Monthly* **24.71**
89 U 328 X. TA-40KR 40-Meter Conversion Kit. For MP-33 or MPK-3. 10 lbs. **44.79**

D **A-92S 2-METER BEAM.** 9-elements. Mounts vertical or horizontal. 2 kw, PEP. 300 or 75 ohms. 14 db gain; 20 db F/B; 1.5:1 SWR. Longest element 41″; boom 12′; turn radius 6.5′. 4 lbs.
89 U 327 ZW **16.40**
89 U 326 ZW. A76S 6-Meter Beam. 7 el. 13 lbs. **35.10**

Beam Rotator Systems

E
CDR
CDR TR-44
Rotator

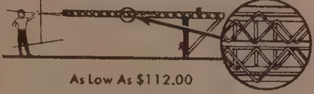


R TR-44. Rotator has 48 heavy-ty bearings in two 6½″ ball 450 inch-lbs. av. torque. Indicalibrated in compass points and crements; double stage switch ading indicator with motor off. ast or pipe to 2$\frac{1}{16}$″ O.D. Less 7-able. For 110-120 v., 50-60 cycle hpg. wt., 19 lbs.
479 X. *$5 Monthly* **64.95**

HAM-M. (Not illus.) Extra-heavy supports over 1000 lbs. Indicatabove. Less 8-cond. cable. Shpg. 5¾ lbs.
025 X. *$6 Monthy* **117.11**

IANCE U-100. Ideal for VHF ams or HF Tri-Band Jrs. Reversotor; magnetic brakes. Weather-, lubricated for life. Controltor unit calibrated with 8 comoints. Less 4-wire control cable. 0-120 v., 50-60 cycle AC. 12 lbs.
42. *$5 Monthly* **28.20**

E-Z Way Tiltover Towers


As Low As $112.00

All-steel, with diagonal bracing, built-in ladder. For full-sized arrays except 6046P, VHF antennas. 2-section std.-duty except *RBX-60-3G, 3-section heavy-duty. Hot-dipped galvanized surfaces except †dip-painted surface. Accept std. rotor heads, left. Specify rotator to be used. Towers shipped prepaid by rail from Tampa, Fla—slight extra charge for truck shipment. Send remittance on cash orders—no C.O.D. Or use Credit Fund Plan.

Stock No.	Type	Ht.	Lbs.	EACH
86 U 212 ZF	HD-40P†	40′	140	112.00
89 U 827 ZF	RBS-40P†	41′	180	190.50
89 U 828 ZF	RBS-40G	41′	190	235.50
89 U 836 ZF	RBS-50G	51′	235	309.00
86 U 233 ZF	6046P†	55′	270	212.50
89 U 854 ZF	RBX-60-3G*	60′	355	461.50

TOWER MOUNTING KITS. For above.

Stock No.	Type	For	Lbs.	EACH
86U248ZF	BAK-D	HD-40P	8	7.50
89U866ZF	BAK-S	Any RBS Twr.	10	12.00
89U894ZF	GP-S40	RBS-40P or G	150	84.50
86U239ZF	TOP-S40P	RBS-40 or 6406P	92	84.50
86U241ZF	TOP-S50G	RBS-50G	113	118.00
86U247ZF	TOP-X60-3	RBX-60-3G	175	140.00

New-Tronics "Hustler"

Choose Fender or Bumper Mount Style

Antenna consists of 1 mast, 1 resonator. Rated 75 w. AM, 250 w. PEP. Fold-over 54″ aluminum masts, ⅜″-24 stud. For 52 ohm coax. 75-97″ high. 1 lb.

Stock No.	Type	Description	EACH
90 U 849 X	RM-10	10-mtr resonator	5.95
86 U 327 X	RM-11	11-mtr resonator	5.95
90 U 850 X	RM-15	15-mtr resonator	6.95
90 U 859 X	RM-20	20-mtr resonator	7.95
90 U 860 X	RM-40	40-mtr resonator	9.95
90 U 864 X	RM-75	75-mtr resonator	11.95
90 U 879 X	MO-1	54″ mast for fender mtg	7.95
90 U 882 X	MO-2	54″ mast for bumper mtg	7.95

New-Tronics "Cliff-Dweller"

100′ Coax 1¢ More Save $13.94 $129.51 Complete

CD-40-75. Remotely tuned, rotatable dipole for 40-75 meters. 1 kw. No traps. Motor-driven elements move in and out to resonate antenna. Accepts 1¼″ threaded mast. Turn radius, 15′ 8″. 50 lbs. *$7 Monthly.*
23 U 789 AL2Z. With Bonus. **129.51**
86 U 141 L3ZW. Ant. Alone. Shpg. wt., 45 lbs. **129.50**

Hy-Gain Single-Band and Multiband Doublets

E BAND DOUBLETS. Handle 500 With copper clad wire, all iners and hardware, and 50 feet of 3/U coaxial cable for transmisne.

No.	Type	Bands	Lbs.	EACH
68 X	HD-1	10-15	2	7.95
69 X	HD-2	20	2	7.95
70 X	HD-3	40	2½	8.95
71 X	HD-4	80	3¼	9.95

MULTIBAND DOUBLETS. Traps take 1 kw PEP except *trapless, 2 kw. With insulators, less 52-ohm coax. Av. shpg. wt., 5 lbs.

Stock No.	Type	Bands	Ft.	EACH
89 U 770 X	2BDP*	15, 40, 80	128	19.95
89 U 771 X	2BDQ	40, 80	96	19.95
89 U 772 X	3BDQ	10, 15, 20	29	17.50
89 U 773 X	4BDQ	10 thru 40	65	24.50
89 U 774 X	5BDQ	10 thru 80	108	34.95

Handles 1.5 Kw AM

For 3.5 to 30 Megacycles

18TD REEL TAPE DOUBLET. Stainless steel meter-calibrated tapes extend to form ½-wave doublet on any frequency from 3.5 to 30 mc. Handles 1.5 kw AM, 2 kw CW, 3 kw PEP. Hand cranks. 25′ polypropylene ropes at tape ends for mounting. 52 ohms. Cycolac housing. 8 lbs.
89 U 325 X. *$5 Monthly* **69.95**

Z At End of Stock No. Indicates Truck or Express Shipment

Practice Makes Perfect With Low-Cost Code Aids

A **EICO 706 CODE OSCILLATOR.** All-transistor unit has built-in 2½" PM speaker, pitch control, headphone jack. Switch selects tone, flashing light or both. 6½x3¾x2¾". With battery. Shpg. wt., 2 lbs.
89 U 621. Factory Wired **12.95**
89 U 627. Kit Form **8.95**

B **AMECO CPS-WT CODE OSCILLATOR.** Deluxe unit has built-in 4" PM speaker with click filter for loud, clear tone. Doubles as keying monitor. Size, 6½x5x3½". For 110-120 volts AC/DC. Shpg. wt., 4 lbs.
89 U 722 .... **14.95**

C **JOHNSON 114-400 BUZZER.** Screw adjustment varies stable high frequency tone. Requires two 1½-volt batteries. Wt., 5 oz.
89 U 911 .... **1.85**

D **JOHNSON 114-310 STANDARD KEY.** For the beginner or experienced operator. "Cushion contact" design offers smooth action. Mechanical parts are nickel-plated. ⅛" silver contacts. Adjustable tension, spacing bearings. Wt., 2 lbs.
89 U 903 .... **3.25**

Vibratrol Modulation Scope

$49.95
$5 monthly

- **Monitors Your Signal**
- **Detects Overmodulation**
- **Trapezoidal & Envelope**

3" scope for visual display of modulation percentage, RF linearity, audio distortion in trapezoidal and wave-envelope patterns. Also a null indicator, Lissajous comparator and phase shift indicator. Sensitivity: Vertical, 2 watts at 30 mc f/s deflection; horizontal, 2 watts RF or AF. Controls: focus, intensity, horizontal and vertical centering, horizontal gain, vertical tuning and internal/external load switch. Size, 4½x8⅛x11½". For operation from 110-120 v., 60 cycle AC. Shpg. wt., 10 lbs.
90 U 270. *$5 Monthly* **49.95**

Learn the Code or Improve Your C

Factory Wired
$10.95
E
ALLIED RADIO
INTERNATIONAL MORSE
CODE COURSE
F

A Must for Fast and Easy Code Learning

Allied's Own C
Course—15 V
in 10 Easy Les

Handy Accessories That Make Code Learning a Bree

E **KNIGHT-KIT LC-1 CODE PRACTICE OSCILLATOR.** Now in ready-for-immediate-use, factory-assembled form. Helps scouts, hobbyists and Hams-to-be learn the code in a jiffy with lots of fun in the bargain. Two-transistor oscillator has built-in speaker and flasher light, plus headphone jack for privacy. With adjustable key and battery. Shpg. wt., 2 lbs. *See Knight-Kit section for full description of LC-1 Oscillator.*
83 U 501 MW **10.95**
83 U 432 MW. Above, Kit Form **7.95**

F **ALLIED COMPLETE 10-LESSON CODE COURSE.** 10 code lessons on one 12", 33⅓ rpm LP record. Teaches you to send and receive code well enough to pass novice and general class code examinations. Consists of 5 lessons on each side, calculated to advance you to a speed of 15 words per minute. Table of International Morse Code is included on the back of jacket. Comes with easy-to-follow instruction booklet, containing lessons identical to those on record for sure-fire "eye-ear" learning method. 1 lb.
89 U 573 .... **4.49**

Rider Code Courses

"Sight 'N' Sound" course on 10"
rpm records. Advance 1 wpm a

REC-08 NOVICE COURSE. (0-8
3 LP's, 47 cards and book. 2 lbs.
89 U 558 ....

REC-920 ADVANCED COURSE.
wpm.) 3 LP's, cards, book. 2 lbs
89 U 564 ....

REC-20 COMPLETE COURSE. (
wpm.) 6 LP's, cards, book. 6 lbs
89 U 565 ....

Ameco Code Courses

Junior: five 45-rpm records or one
LP; 0-7½ wpm. **Advanced:** six 45
records or one 33⅓ LP; 8½-18
Senior: eleven 45-rpm records o
33⅓ LP's; 0-18 wpm. All hav
page manual.

Stock No.	Course	Speed	Lbs.	E
89 U 591	junior	45	2	
89 U 592	junior	33⅓	1	
89 U 594	advanced	45	2	
89 U 596	advanced	33⅓	1	
89 U 616	senior	45	4	1
89 U 617	senior	33⅓	2	

Headphones for Monitoring Phone and CW

G **LINCOLN STANDARD DUAL HEADSETS.** Vinyl-covered double headband with easily adjustable yokes for top comfort; powerful Hyflux Alnico magnets; 4½-ft. cotton-covered tinsel cords; phone tip terminals. 1⅞" diaphragm. Shpg. wt., 1¼ lbs.
86 U 083. 2000 ohms **2.40**
86 U 084. 3000 ohms **2.50**
86 U 100. 4000 ohms **2.60**
86 U 099. 11 ohms **2.40**

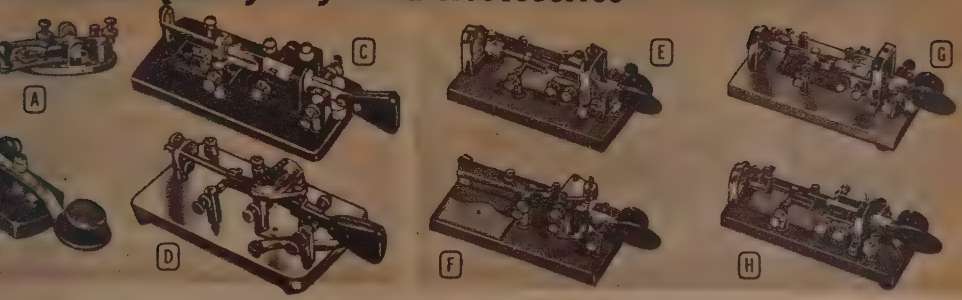
HEADSET WITH PHONE PLUG. Above, but standard ¼" phone plug. 1¼ lbs.
86 U 283. 2000 ohms **2.80**

H **SUPEREX COMMUNICATIONS H
SET.** Soft foam rubber ear cus
provide extra wearing comfort
prolonged use. Blocks out ext
background noise. Separate ad
ment centers. 60-6000 cps resp
600-ohm output; leads may be cha
for 4 to 16 ohms. Shpg. wt., 3 lbs.
86 U 302. *$5 Monthly* **24**

J **TELEX HM-100 HEADSET.** Mag
driver for 50-10,000 cps. Rul
covered, spring-type headband.
cord; std. ¼" phone plug. 8 oz.
86 U 070 .... **13**

See Index for Additional Headset and Boom Mike List

ith These Quality Keys and Accessories



Johnson Speed-X Keys

4-100-3 **DELUXE HAND KEY.** Precision-made key, ex-
llent for beginner and old-timer alike. Has carefully
ered spring and hardened fine-point pivots for smooth-
ending action. Spring tension, contact pressure and
ng pressure are adjustable. Pit-resistant .072" dia.
cts. Satin-brass finish. Supplied complete with short-
witch. Shpg. wt., 2 lbs.
912 .... **7.95**
919. 114-100. Above, less shorting switch **6.95**

4-320 **STANDARD KEY.** Hand key with chrome-plated
y arm suspended from hardened steel bearings. Large,
oin-silver contacts. Improved Navy-type knob. Adjust-
contact pressure and spring tension. Black die-cast
Shpg. wt., 2 lbs.
920 .... **4.95**

4-520 **SEMI-AUTOMATIC KEY.** Contact spacing and
ding weight easily adjust to desired speed. Has cir-
losing switch and ⅛" coin-silver contacts. Rubber
prevent marring finished surfaces, keep "bug" sta-
ry. Heavily chrome-plated hardware and vibrator.
die-cast base. Shpg. wt., 4 lbs.
921 .... **17.75**

4-501 **DELUXE SEMI-AUTOMATIC KEY.** Features rugged
" contacts; heavily chrome-plated arm, posts and
ined parts. Adjustable sending speeds; 5 locknut
tments—plastic paddles adjust separately. Polished
ne base, rubber feet. 5 lbs.
934. *$5 Monthly* **25.50**

Vibroplex Semi-Automatic Keys

E **"ORIGINAL" SEMI-AUTOMATIC KEY.** Easy-working "bug" for speeds from 10 wpm on up. Used by many veteran operators. Chrome-plated mechanism; gray cast-iron base with slip-proof rubber feet. 5 lbs.
89 U 939. *$5 Monthly* **22.45**
89 U 940. Deluxe "Original." Above, with jewelled bearings and chrome-plated base. 5 lbs. *$5 Monthly* **26.95**

F **"CHAMPION" SEMI-AUTOMATIC KEY.** Chrome-plated mechanism. Gray crackle-finish base. 4 lbs.
89 U 949 .... **17.95**

G **"PRESENTATION" SEMI-AUTOMATIC KEY.** Beautifully crafted key with adjustable mainspring for wide speed range. Jewelled movement resists friction, prolongs life. Chromium parts, mounted on 24K gold-plated base top. Red knob, finger and thumb pieces. 5 lbs.
89 U 942. *$5 Monthly* **33.95**

H **"BLUE RACER" SEMI-AUTOMATIC KEY.** Small and well-built. Chrome-plated mechanism. 4 lbs.
89 U 941. *$5 Monthly* **22.45**
89 U 943. Deluxe "Blue Racer." Above, but with jewelled bearings, chrome base. 4 lbs. *$5 Monthly* **26.95**

CARRYING CASE. (Not illus.) For Vibroplex keys above, except "Blue Racer" models. Cloth-lined. With lock, key and handle. 2 lbs.
89 U 944 .... **6.75**

CORD AND WEDGE SET. For above keys. 3 oz.
89 U 945 .... **1.75**

Hallicrafters and Vibroplex Keying Package

ALLIED SPECIAL

HA-1 "T.O." Keyer
Plus "Vibro-Keyer"

Both for Only
$89.95 **$5 monthly**
Save $7.95

"T.O." Keyer and "Vibro-Keyer"

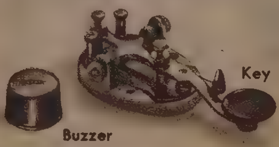
CRAFTERS HA-1 "T.O." KEYER.
nced electronic keyer featuring
circuits (10-30 and 35-75 wpm
s) to produce perfectly spaced,
ompleting dots and dashes. Has
one monitor, speaker, headphone
mercury-wetted relay. 5x7x7".
keying mechanism. For 110-120
-60 cycle AC. 9 lbs.
119. *$5 Monthly* **79.95**

VIBROPLEX "VIBRO-KEYER" KEYING MECHANISM: Has triunion lever for fast, effortless sending. Adjustable contact spacing and tension. Chrome-finished parts, 3/16" contacts, beige-colored base with rubber feet. Shpg. wt., 3 lbs.
89 U 946 .... **17.95**
89 U 947. Deluxe "Vibro-Keyer." Above, but chrome-plated base **22.45**

PLETE PACKAGE—Save $7.95. Includes Hallicrafters HA-1 "T.O." Keyer
ibroplex "Vibro-Keyer" Mechanism. 12 lbs.
560 X. *$5 Monthly* **89.95**
581 X. Save $8.45. Above, but with Deluxe "Vibro-Keyer." **93.95**

ALLIED SPECIAL

Heavy-Duty Key and Buzzer



Both Only
$2.49

An Allied Bargain Outfit—Ideal for the Beginning Ham

Low-cost hand key and buzzer outfit, ideally suited for novice code practice. Outfit price saves you 47¢. Key has polished solid brass base, silver contacts, fully adjustable tension and spacing, nickel-plated hardware, shorting bar and black knob. Buzzer has screw adjustment to vary stable high frequency tone, molded base and cap. Uses two 1½-volt batteries (not supplied). From Japan. Shpg. wt., 2½ lbs.
90 U 025. .... **Both for 2.49**
86 U 656. Key Alone. 2 lbs. **1.98**
90 U 018. Buzzer Alone. 6 oz. .... **.98**

Useful Accessories at Money-Saving Prices

WATERS

Model 334 CB-Ham Dummy Load/Wattmeter

$89.95 $5 monthly

- Covers Full 2 to 230 mc Range
- Warning Light for Safe Operation
- Wattmeter Reads from 0 to 1000

Professional instrument for 2 through 230 mc nonradiating transmitter tests. 52 ohm dummy load in hermetically sealed, liquid-dielectric-filled container for shielding and cooling. Warning-light signals when maximum safe operating temperature of 220°F is reached. **Ratings:** 50 watts continuous; 1000 watts intermittent with less than 1.3:1 VSWR over entire frequency range. **3-scale watt-meter:** 0-10-100-1000 watts. **Meter accuracy:** 3-5% depending on frequency and scale. SO-239 RF connector. Size, 9x4¾x10¼". Shpg. wt., 12 lbs.

86 U 584 M. *$5 Monthly*..........89.95

GALAXY New! Transistorized
"Rejector" Tunable Notch Filter

COARSE
IN
OUT
HIGH
LOW
FINE
REJECTOR

$349
$5 monthl

- Audio Filter with Tunable Range 300 to 5000 C
- Supresses Irritating Constant Audio Frequency N

Extremely effective audio filter. Gives over 40 db att
tion to interfering audio tones. Reduces many typ
pulse noise. Switch provides optional 6 db amplifica
300 to 5000 cycle tuning with coarse and fine adjust
controls. Connects to any Ham, SWL or CB equip
using 3 to 8 ohm PM speaker. Contains seven transi
and two diodes for low power consumption. Requir
volts AC or DC. Mobile installation power supplie
connecting to regular 12 volt system. Compact size,
5⅜x2½". Shpg. wt., 6 lbs.
90 U 047 M. *$5 Monthly*..........3

A AMECO PV PREAMPS

Models for 6, 2 Meters

$13.95

B AMECO CMA CONVERTER

$64.95
$5 monthly
less crystals

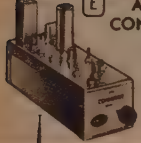
C AMECO ALL-BAND PREAMP

$32.95
$5 monthly

D AMECO HP-45

HIGH-PA
FILTER
95¢

E AMECO CONVERTERS



2, 6 Meters
$49.95
$5 monthly

F AMECO POWER SUPPLY

For CN Converters
$11.50

G E/V COMPRESSOR MIKE

Increases Modulation
$29.50
$5 monthly

H MAGNETIC MIKE CL

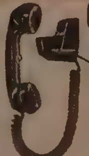
Chrome-Plate
... Holds Sec
79¢

J LOW-COST TEST METERS

FS Only $5.95

SWR-FS $11.95

K MOBILE PHONE



Push-to Talk
$19.95

L KNIGHT NOISE FILTER

With mtg. bracket
$2.35

M HY-C
ON-THE-AIR S

$

A **AMECO PV-50 6-METER PREAMP.** Over 20 db gain. Requires 100-150 volts at 10 ma and 6.3 volts at 150 ma. 2½x2x3¼". Wt., 1 lb.
90 U 692..........13.95

AMECO PV-144 2-METER PREAMP. As above, but 2 meters.
90 U 963..........13.95

B **AMECO CONVERTER.** Transistorized. Converts 160-2 meters to BCB car radio. Less crystals. Size, 3¼x6x6¼". 12 VDC. Wt., 6-lbs.
86 U 330. *$5 Monthly*..........64.95

86 U 331 CS. Crystals. Specify band desired. Shpg. wt., 2 oz..........**Each 3.50**

C **AMECO PCL-P NUVISTOR PREAMP.** 160-6 meters. Over 20 db gain. 5½x3¼x3". 110 VAC. 2 lbs.
86 U 612. *$5 Monthly*..........32.95

D **AMECO HP-45.** Rejects everything below 45 mc. 300 ohms. 3 oz.
89 U 463..........95¢

E **AMECO CN-50W 6-METER CONVERTER.** Gain control. 3 nuvistors. 14-18 mc output. Requires 100-150 v. at 30 ma and 6.3 v. at 1 amp, or PS-1W supply below. 2x2½x6¼". 2 lbs.
90 U 686. *$5 Monthly*..........49.95

AMECO CN-144W 2-METER CONVERTER. As above, but 2-meters. 2 lbs.
90 U 688. *$5 Monthly*..........49.95

F **AMECO PS-1W POWER SUPPLY.** Plugs into CN-50W or CN-144W. 2½x4½x4½". 110 VAC. Wt., 4 lbs.
90 U 695..........11.50

G **EV/AMERICAN COMPRESSOR MIKE.** Push-to-talk. –39 db output. With batteries (uses 4). 13 oz.
86 U 669. *$5 Monthly*..........29.50

EXTRA BATTERIES. Uses 4. 7 oz.
55 U 950..........**Pkg. of 2 for 48¢**

H **MAGNETIC MIKE CLIP.** Secures mike to dash or metal case. 3 oz.
86 U 461..........79¢

J **INEXPENSIVE SWR/FS METER.** Ch
forward/reflected power 1:1
SWR, and FS. 1 kv @ 2-30 mc. 10
±5%. 5 part ant. 6¼x1¾x3". S
wt., 10 oz.
86 U 588..........11

LOW-COST FIELD-STRENGTH MET
bands, 1.6-150 mc. 200 μa moven
Size, 2⁵⁄₁₆x3⁵⁄₁₆x1⁹⁄₁₆". 10 oz.
86 U 589..........5

K **HAM OR CB MOBIL-PHONE.**
phone handset. Off cradle, spe
muted. Push-to-talk. 3 lbs.
86 U 615. *$5 Monthly*..........19

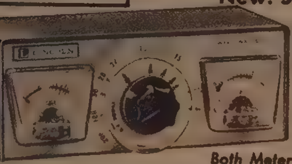
L **KNIGHT NOISE FILTER.** For e
nating ignition noise. Tunes
mc. With mtg. brackets. 5 oz.
89 U 512..........2

M **HY-GAIN ON-THE-AIR SIGN.** Cha
over/transmitter control r
Bulb, cord. 4x8". 2 lbs.
90 U 027..........8

For Improved Ham or CB Station Performance

LINCOLN

New! SWR Bridge and Power Meter



$24.95

$5 monthly

Both Meters Operate Simultaneously

Operating Frequency Range of 2 to 200 Megacycles
For Transmitters with Output of ½ Watt to 1 Kilowatt

more than an ordinary SWR meter! This little beauty
ts two meters—one reads true RF power on an accu-
y calibrated scale; other reads reflected power loss due
ntenna and line mismatch. Both readings shown simul-
ously. Built for any transmitter rated ½ watt to 1
from 2 to 200 mc. 5 switch-selected ranges. Reads
er with better than 10% accuracy. Low insertion loss.
may be left in line as part of permanent installation.
ple one-time calibration. Impedance, 52 ohms. SO-239
ectors. 2⅝x2⅝x6⅛". Wt., 3 lbs.
720. *$5 Monthly*........................ **24.95**

LINCOLN

New Audio Compressor

LINCOLN
OFF
ON
COMPRESSOR
LEVEL
TRANSISTORIZED COMPRESSOR AMPLIFIER

Compares with far costlier units. Limits high level audio to prevent modulation splatter.

$19.95

$5 monthly

Achieves 100% Modulation

- **3 Amplification Stages—Gives Maximum "Talk" Power**
- **Battery Operated—Requires No Power from Transceiver**

Unique transistorized audio compressor amplifier provides increased "talk" power for maximum communications efficiency. Boosts lower levels of audio to achieve 100% modulation; limits higher levels to prevent overmodulation. No wiring is required—unit is easily connected between your press-to-talk mike and transceiver. Uses long-lasting battery (supplied) for power. No need to disconnect when not in use—front panel switch cuts unit in and out of circuit. Has compression adjustment control. Size, 1½x3x3". With cable, MC4M output connector. 3 lbs.
86 U 721. *$5 Monthly*........................ **19.95**

WATERS
UDIO COMPRESSOR

$27.95 $5 monthly

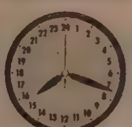
B LEECE-NEVILLE 53-AMP ALTERNATOR

$59.95 Complete $5 monthly

C MASTERCRAFTERS 8" 24-HR. CLOCK

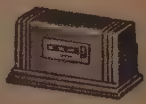
With World Map **$7.70**

D MASTERCRAFTERS 24-HR. 13½" CLOCK



Black Case **$9.06**

E PENNWOOD 24-HR. CLOCK



Direct Reading 24-Hour Clock **$14.13**

CADMIUM-PLATED GUTTER CLIP

Prevents Antenna Rattling **79¢**

G STAINLESS STEEL BUMPER MOUNT

Fits Any Bumper Shape **$5.95**

H STAINLESS STEEL BODY MOUNT

For Rugged Trouble-Free Service **$7.95**

J STAINLESS STEEL RUSTPROOF SPRING

For Whip-Type Antennas **$2.79**

K HEAVY-DUTY STAINLESS STEEL SPRING

Extra Heavy For Rugged Mobile Use **$8.95**

ATERS 359 AUDIO COMPRESSOR.
eps-up speech output 4 times.
sistorized. Connect between mike
or hi-Z ceramic) and input. 2¾x
". Use battery below. Shpg. wt.,

613. *$5 Monthly*.......... **27.95**
650. Burgess 2U6 Batt. 4 oz... **48¢**

ECE-NEVILLE 53-AMP ALTERNATOR.
-amp idling output keeps battery
ed. Includes alternator, voltage
ator, ⅜" pulley (not for cars with
e belts), universal mtg. bracket,
s, instructions. For both pos. and
12 volt DC systems. Shpg. wt.,
s.
039 X. *$5 Monthly*...... **59.95**

ASTERCRAFTERS 191 CLOCK. 24-
ur dial. South polar projection
hows time world-wide. 8" chrome
For 110 volt, 60 cycle AC. Shpg.
½ lbs.
472.............................. **7.70**

D MASTERCRAFTERS 2324 CLOCK. 24-hour dial with large sweep second hand. 13½" diameter with black case. UL listed. 110 volt, 60 cycle AC. Shpg. wt., 5¼ lbs.
90 U 147 X...................... **9.06**

MASTERCRAFTERS DELUXE CLOCK. As above, but with chrome case. Shpg. wt., 5¼ lbs.
90 U 179 X...................... **10.88**

E PENNWOOD 100-24H CLOCK. 24 hour direct reading dial shows minutes and hours. Ebony case. Size 4x7¾x4". For 110 volt, 60 cycle AC. Shpg. wt., 5 lbs.
89 U 474...................... **14.13**

F GUTTER CLIP. Plastic holder swivels on cadmium-plated clamp. Attaches securely to gutter. Plastic holder prevents whip from rattling. Shpg. wt., 8 oz.
86 U 611...................... **79¢**

G BUMPER MOUNT. Stainless steel strap fits securely against any size bumper. Held by two bolts at top and clamp at bottom. Fit large or small bumper. Shpg. wt., 1 lb.
86 U 606...................... **5.95**

H STAINLESS-STEEL BODY MOUNT. Fine appearance and excellent performance. Designed to exacting standards for trouble-free service under rugged use. Shpg. wt., 3 lbs.
86 U 607...................... **7.95**

J STAINLESS-STEEL SPRING. For whip antennas. Rustproof. Stands up under tough usage. Wt., 3 lbs.
86 U 608...................... **2.79**

K EXTRA-HEAVY-DUTY STAINLESS STEEL SPRING. Rugged, built specifically to withstand roughest use. Rustproof. Wt., 4 lbs.
86 U 609...................... **8.95**

KNIGHT®
PUBLIC ADDRESS

Versatile 35-Watt P.A. Amplifi

KNIGHT
KN
MICROPHONE 1
MICROPHONE 2
AUX 1
AUX 2
BASS
TREBLE
MASTER
ALLIED RADIO CORPORATION • CHICAGO

KN
3235C

KN-3235C 35-Watt Amplifier . . Our Best Seller

For Standard or Constant-Voltage Speaker Systems

$54.95
$5 monthly

Extra-Large Master Volume Control

Quick-Set Impedance Matcher

Low-Frequency Filter Cuts Feedback

Convenient Multiple Inputs

Combines power with versatility for outstanding performance in any application. For use with constant voltage-systems or standard impedances. Two microphone inputs and 2 inputs for phono, tuner or tape recorder. Excellent for musical coverage for dance halls or skating rinks. May be used indoors or outdoors, for paging, lectures, shows, other uses. Low-frequency filter may be switched in to cut feedback "squeal" and protect speakers. Quick-set impedance matcher chooses 4, 8 or 16 ohms, or 25 or 70.7 volts output for constant-voltage speaker systems using matching transformers. Separate bass and treble controls. Gain controls for mikes and auxiliary input plus master gain control. 3-wire grounded power cord. Optional phono top, below right. 5x15¼x10¼". Gray with green overlay. Made in U.S.A. Shpg. wt., 23 lbs.
95 U 103 MU. *$5 Monthly* **54.95**

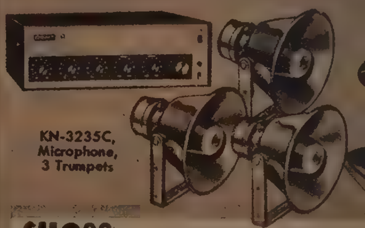
SPECIFICATIONS

Power Output: 35 watts RMS (70 watts peak). **Frequency Response:** ±2 db, 30 to 20,000 cps. **Inputs:** 2 Mic; 2 Auxiliary (crystal or ceramic phono cartridge, tuner, tape recorder). **Controls:** Microphone (2); Auxiliary Fader; Bass; Treble; Master Gain; Anti-Feedback On-Off. **Outputs:** 4, 8, and 16 ohms, plus 25 and 70.7 volts (for constant-voltage distribution systems). **Tube Complement:** 2—12AX7A; 1—6AV6; 2—6L6GC; 1—5AS4. **Power Consumption:** 110 watts at 120 volts AC.

INSTALLATION NOTES

Microphone Connector: Amphenol 75MC1F or equivalent (uses 2, 1 supplied). **Auxiliary Connector:** Pin (phono) plug (uses 2, 1 supplied). **Speaker Connections:** 2 screw-type terminals. **Speaker Cable:** Use 2-conductor (not included). **Line Cord:** 3-wire, 7-ft. long. **Ventilation and Mic Plug Space Required Behind Cabinet:** 3". **Ventilation Space Required Above Cabinet:** 5". **Power Requirements:** 105-130 volts, 50-60 cycles AC; optional Phono-Top for 60 cycles only.

35-Watt Outdoor P.A. Syst


KN-3235C, Microphone, 3 Trumpets

$116.60
$6 monthly

- Excellent for Noisy Areas
- Covers Up to 100,000 S
- Weatherproof E-V Trump

Save $20.50 off the cost of the compone purchased separately. Includes: Knigh 3235C 35-Watt Amplifier; Knight KN-4515 tal Mike with touch bar and lock switch cable; three E-V 844 Weatherproof Tru Less speaker cable (use weatherproof ty outdoor installations). 51 lbs.
22 U 676 DL2MZ. *$6 Monthly*. **11**
22 U 677 DL3MZ. Save $22.40. As above 4-speed Phono Top. 57 lbs. **1**

KN-3201A Phono Top

KN
3201A

$17.95

Fully assembled. Attaches atop KN-32 KN-3275C, KN-3220A amplifiers in min using just a screwdriver. Plays records uually at all 4 speeds. With ceramic turn cartridge, synthetic-sapphire needles. high. Shpg. wt., 6 lbs.
95 U 106 MX **17**

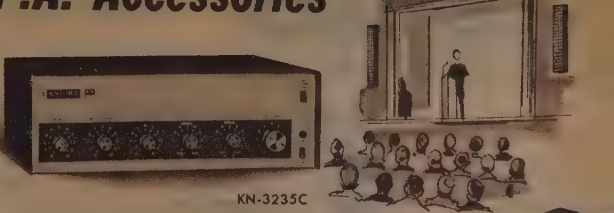
5-Watt Systems, P.A. Accessories

-Watt Sound Column System

system price saves you $9.41 off the of the components if purchased sep- ely. This powerful 35-watt indoor sys- has been carefully matched to give tanding performance. Ideal for aver- size auditoriums, churches or gym- ums. Provides wide-range voice and ic reproduction and overcomes crowd e. System includes: **our Knight KN- C 35-Watt P.A. Amplifier; Knight KN- Dynamic Mike with 18-ft. Cable; Atlas 0C Mike Floor Stand; two Argos SD- Sound Columns with 6 speakers each; 100-ft. speaker wire.** Sound columns ect sound uniformly from front to of large halls. Sound is not overloud eople in front. Annoying feedback is tly reduced. Sizes: each column, 30¼x ⅛"; amplifier, 5x15¼x10¼". Shpg. 58 lbs.

100 DL3MZ. *$9 Monthly* . . **166.50**

101 DL4MZ. Above system, plus KN- A Phono Top. 64 lbs. **182.95**



Uniform Coverage for 2000 People

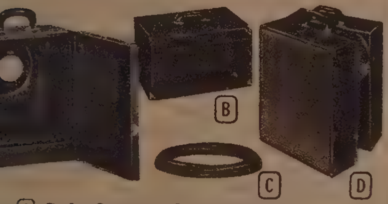
Entire System

$166.50

$9 monthly

Two Argos SD-1060 Systems
Atlas MS-10C
KN-4550 Dynamic Mike

Carrying Cases, Speaker Cable



Ⓐ P.A. System Carrying Case

you carry amplifier (up to 17x11¼x7") *plus* 12" speakers. Separates to serve as two ker baffles (speakers optional, below). Size, x17½x12". Dark green vinyl cover. Shpg. 19 lbs.

156 MU. *$5 Monthly* **19.95**

400 AL3U. Above, with spkrs. 29 lbs. **29.98**

Ⓑ Amplifier Carrying Case

xcellent accessory for any P.A. amplifier. ides maximum portability and protection. dy wood construction. Holds amplifiers to x11¼x5¾", including **KN-3275C, 3235C,** A. Dark green vinyl cover. 8 lbs.

158 MX **9.95**

Ⓒ Speaker Connector Cable

-conductor POSJ cord with #18 stranding. ped and tinned for easy connection to ker terminals. Polarity ribbed. U.L. Listed. -ft. lengths. 8 oz.

144 M . . . . **Per 50′ Roll 1.19**

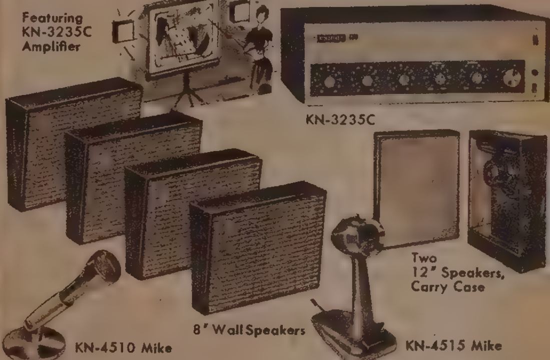
Ⓓ Speaker Carrying Case

dy speaker baffle and carrying case combi- n. Holds two 12" speakers (optional, below). es apart for use as 2 baffles. Size, closed, x14½x12". Shpg. wt., 14 lbs.

154 MU **16.50**

401 AL3U. With speakers. 26 lbs. **26.60**

Selected 35-Watt Indoor P.A. Systems



Portable System—Packs Into Single Carrying Case

SYSTEM NO. 1. Our system price saves you $3.03 from Allied's regular low prices on this carefully selected audio distribution system. Ideal for voice or music. Consists of: **Knight KN-3235C 35-Watt Amplifier; Knight KN-4510 Ceramic Mike with Desk Stand; two 12" Wide-Range Coaxial Speakers with 50-ft. Cables and Carrying Case.** KN-3235C amplifier provides high power, multi-output selector switch, fine tone. High-impedance ceramic mike has swivel-mount desk stand; all-directional pick-up pattern; frequency response of 50 to 11,000 cps; output −56 db; includes 8-ft. cable. Shpg. wt., 50 lbs.

95 U 410 DL3MZ. *$5 Monthly* **91.65**

Permanent 4-Speaker System—Covers Large Area

SYSTEM NO. 2. Save $10.03 off price of the components if purchased separately. Four wall baffles cover large area; ideal for classroom, meeting hall, church, etc. System includes: **KN-3235C 35-Watt Amplifier with Carrying Case; KN-4515 Crystal Mike with Stand, 7′ Cable; Four Wall Baffles each with 8" P.A. Speaker.** Blond or walnut baffles—**specify.** 49 lbs.

22 U 104 CDL3MU. *$6 Monthly* **107.50**

22 U 105 CDL4MZ. Above system, plus Phono Top. 55 lbs. . **123.95**

Systems Shipped by Truck or Express

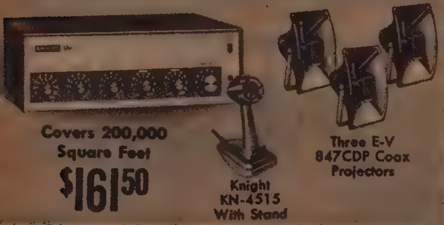
75-Watt P.A. Amplifier

BIG-VALUE . . HIGH-POWER AT LOW COS

Power-Plus! Covers Big Auditorium, Stadium or Factory

KNIGHT
KN
MICROPHONE 1
MICROPHONE 2
AUX 1
AUX 2
BASS
TREBLE
MASTER
ALLIED RADIO CORPORATION • CHICAGO
KN
3275C

Complete 75-Watt Outdoor System



Covers 200,000 Square Feet

$\$161^{50}$

Provides highly intelligible outdoor P.A. and background music for up to 200,000 sq. ft. Includes: Knight KN-3275C Amplifier; Knight KN-4515 Mike with Desk Stand, 7′ Cable; Three E-V 847 CDP Projectors. Less speaker cable. Weatherproof coax projectors mount horizontally or vertically. 60 lbs.

22 U 106 DL2MZ. *$9 Monthly*.........**161.50**

22 U 107 DL3MZ. Above system, plus KN-3201 A 4-speed Phono Top. 66 lbs...........**177.50**

Complete 75-Watt Indoor System

KN-4515 Mike, Desk Stand
6 Wall Baffles with 8″ Speakers

Covers 200,000 Sq. Ft.

$\$169^{95}$

Ideal for factory paging, background music. KN-3275C Amplifier; Knight KN-4515 Mike, 7′ Cable; 6 Baffles with 8″ Speakers, 70.7-v. Transformers, L-Pad Controls Installed. Less cable. Walnut or blonde baffles—specify.

22 U 108 CDL2MZ. 54 lbs...........**169.95**

22 U 109 CDL3MZ. Above system, plus KN-3201A 4-speed Phono Top. 60 lbs.....**185.95**

KN-3275C 75-Watt P. A. Amplifier

$\$84^{95}$

$5 monthly

- **Maintains Wide Response Even at Full Pov**
- **Anti-Feedback Circuit Cuts "Howling"**
- **"Quick-Set" Plug for Instant Impedance Char**
- **Outputs for Constant-Voltage Speaker Syste**

Tremendous value in a high-power P.A. amplifier. Maintain ceptionally wide response even with full 75-watt output. Pe for stadiums, arenas, factories or anywhere maximum covera essential. Provides a full 75 watts of audio power, and up to watts on peaks. Features ample controls and inputs for P.A. installations: separate bass and treble controls; large ma volume control; separate mixer controls and inputs for 2 mi common mixer control for both auxiliary inputs that ha phono, tuner or recorder. Switchable anti-feedback ci attenuates bass frequencies to help prevent feedback, and protects trumpets from burn-out. "Quick-Set" plug for ins impedance selection: 8 or 16 ohms or 70.7-volt or 25-volt out for constant-voltage distribution systems. (25-volt systems do require conduit for speaker wires.) 5x15¼x10¼″. Gray and g With 1 mike connector. For 110-120 v., 50-60 cycle AC. Mac U.S.A. Shpg. wt., 27 lbs.

95 U 104 MU. *$5 Monthly*.............................**84**

PERFORMANCE SPECIFICATIONS

Output: 75 watts RMS (150-watt peak). **Response:** ±2 db, 20,000 cps. **Inputs:** 2 Mic; 2 Aux. (crystal or ceramic phono c tuner or tape). **Controls:** 2 Mic; Aux. Fader; Master Gain; B Treble; Anti-Feedback; On-Off. **Gain:** Mic, 139 db; Aux., 97 **Hum & Noise:** –70 db. **Outputs:** 8, 16 ohms plus 25 and 70.7 v **Tubes:** 2—12AX7A; 6AV6; 2—6CA7; 5AS4A; plus 5Y3GT

INSTALLATION NOTES

Microphone Connector: Amphenol 75MC1F or Switchcraft 25 (uses 2, 1 supplied). **Auxiliary Connector:** Pin (phono) plug (uses supplied). **Speaker Connection:** 2 screw-type terminals. **Spe Cable:** 2-conductor (not included). **Line Cord:** 3-wire, 7-ft. **Ventilation and Plug Space Required Behind Case:** 3″. **Ventil Space Required Above Case:** 5″. **Power Requirements:** Ampl 110-120 volts, 50-60 cycle AC only; optional phono-top ope on 60-cycle AC only. **Power Consumption:** 180 watts.

KN-3201A Phono Top for Knight P.A.

Plays up to 12″ records at 16⅔, 3 45, 78 rpm speeds (fits KN-32 KN-3220A, KN-3235C). Ceramic tridge has dual synthetic-sapphire dles. 4½″ high. With all cables and nectors. For 105-130 v., 60 cycle only. Shpg. wt., 5½ lbs.

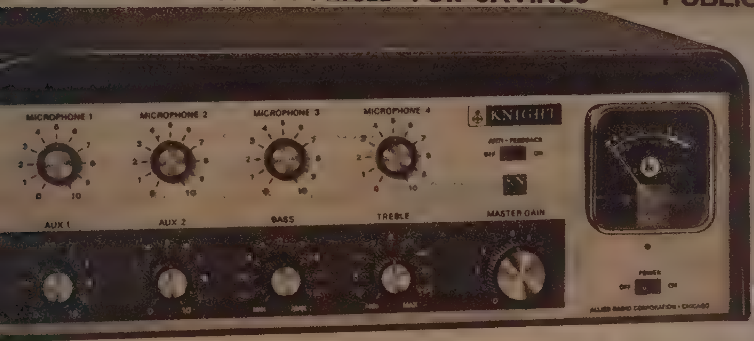
95 U 106 MX..................**17**

Our Finest P.A. Amplifiers

KNIGHT

TSTANDING VALUES . . PRICED FOR SAVINGS

PUBLIC ADDRESS



Wide-Application Amplifier Features Flat Response, Sound-Level Meter, plus 6 Inputs With Mixer Controls

KN
3050A

N-3050A 50-Watt High-Fidelity P. A. Amplifier

129^{95}
$7 monthly

- **"Quick-Set" Impedance or Voltage Plug**
- **Separate Bass and Treble Controls**
- **Jack for Simultaneous Tape Recording**
- **Switchable Anti-Feedback Circuit**

ides the controls and inputs you need for maximum sound system ility. Sound-level meter lets you preset each control to volume ed, or to properly set volume even if speakers are far from amplifier. mike and two auxiliary inputs, each with mixer control. Master control sets volume for all sources without disturbing individual settings. Jack for simultaneous tape recording. Output tube bal- and hum-bucking controls. Anti-feedback and trumpet-protector h. Provision for plug-in low-impedance mike transformer and remote mixer (below). Gray and green. 6⅞x17¼x11″. For 110-130 v., 50-60 AC. Made in U.S.A. Shpg. wt., 35 lbs.

105 MU. *$7 Monthly* **129.95**

130 M. Low-Impedance Transformer. Plugs in. Permits use of 50-600 nikes with long lines with KN-3050A and KN-3050HD. 1 lb. **13.75**

131 M. 3-Channel Remote Mike Mixer. For KN-3050A and 3050HD. cable included. 5x2½x1″. 1½ lbs. **13.75**

KN-3050A AND KN-3050HD SPECIFICATIONS

Output: 50 watts RMS (100 watts peak). **Frequency Response:** ±1 0-20,000 cps. **Inputs:** 4 Mic; 2 Aux. (crystal or ceramic phono, tuner, magnetic phono). **Controls:** 4 Microphone; 2 Auxiliary; Bass; e; Master Gain; Anti-Feedback; Local/Remote Mike Control ter; Output Tube Balance; Hum Balance; Meter Calibrate; On- **Outputs:** 4, 8 and 16 ohms; 25 and 70.7 volts; high-impedance.

INSTALLATION NOTES

phone Connector: Amphenol 91-854 or Switchcraft A3F (uses 4, 1 ied). **Auxiliary Connector:** Pin (phono) plug (uses 2, 1 supplied). **er Connection:** 2 screw-type terminals. **Speaker Cable:** 2-conductor (not supplied). **Line Cord:** 3-wire, 7-ft. long. **Ventilation and Plug Required Behind Case:** 5″. **Ventilation Space Required Above Case:** 5″. **Requirements:** Amplifier, 110-120 volts, 50-60 cycle AC only. **Consumption:** 160 watts.

Loaded with Important Features

Sound Level Meter monitors even distant speakers

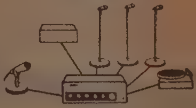
ANTI-FEEDBACK
OFF
ON

Anti-Feedback cuts howling, protects trumpets

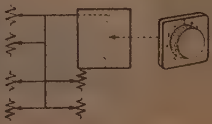
Locking Microphone Input Connectors

"Quick-Set" Impedance Selector

Versatile—handles up to 4 broadcast-type mikes plus 2 other sources



Master Gain Control sets volume level without disturbing individual input fader settings. Extra-large for easy control



KN-3050HD Industrial 50-Watt Amplifier

gged amplifier has extra-large power transformer, over- d filter capacitor and other conservatively rated com- ents to permit continuous operation. Features Mullard amp tubes for hum-free output. Master gain control; con- s and inputs for mixing 4 mikes, 2 aux.; VU meter. Tape rding jack. Provision for optional low-impedance mike sformer and remote mike mixer (above). 3-wire line cord adapter. 6⅞x17¼x11″. Gray and green. Made in .A. Shpg. wt , 38 lbs.

U 121 MU. *$8 Monthly* **149.95**

Professional Model

$149^{95}

$8 monthly

P. A. Systems Are Shipped Truck or Express

KNIGHT

32-Watt Solid-State P.A. Amplifi

NEW!

KN
3232

Versatile Solid-State
Amplifier with AC
DC Power Supplies
Mobile and Fixed Opera

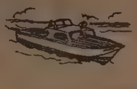
COMPARE THESE FEATURE

- Solid-State Circuit
- Ultra-Cool Operation
- Instant Warmup
- Low Current Drain
- AC and DC Power Su
- Anti-Feedback Circuit
- "Quick Set" Impedanc
- AC/DC Circuit Protect

$104^50 $6 monthly

Operates from 12-volt DC or 110-volt AC—excellent for use in trucks, ca
boats as well as indoors. Has inputs and controls for mike and phono;
tone control; switchable anti-feedback circuit that attenuates bass
howling and to protect speakers. "Quick Set" plug selects 4, 8 or 16 oh
pedance, or 25-v. output for multi-speaker setups where different power
are desired at various locations. Protected on AC and DC. 11⅞x9⅝x4".
and gray. With AC and DC power cords, mobile mtg. bracket. Made in
Shpg. wt., 15 lbs.
95 U 108 MX. *$6 Monthly*. **1**

Excellent for Office Paging



12v. Power Supply Lets You Operate It On Your Boat

Mounts Easily Under Auto Dash For Mobile Use

Ideal For Use In Sales, Picnics

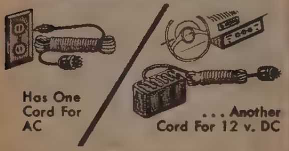
KN-3232 Specifications

Power Output: 32 watts rms (64 watts peak). **Response:** ±2 db, 80-12,000 cps. **Inputs:** Lo-Z Mic, Phono. **Controls:** Mic and phono faders, tone, anti-feedback, on-off. **Speaker Outputs:** 4, 8, 16 ohms; 25 volt.

Installation Notes

Connectors: Mic and Speaker,
plug; Phono, pin plug. **Speaker**
2-cond. (not supplied). **Line Cor**
and DC (supplied). **Space Re**
Behind Cabinet 3"; Above ½".
Requirements: 115 v. AC/12 v

UNIVERSAL AC-DC SUPPLY



Has One Cord For AC

. . . Another Cord For 12 v. DC

$137^50 $7 monthly

Complete 32-Watt Mobile P.A. Syste

Everything you need to equip your car, truck o
with a clear, powerful P.A. system. Includes:
KN-3232 Solid-State 32-Watt P.A. Amplifier for 110
12 VDC Operation, plus (A) Electro-Voice 600
Impedance Communications Mike and (B) Two Electro
PA-7 Sound Projectors. 50-ft. speaker cable. Ampl
described above. Mike has push-to-talk switc
coiled cord. Speakers feature 120° dispersion.
mike and speaker cable connectors. Wt., 23 lbs.
22 U 111 DL2MU. *$7 Monthly*. **13**

KN
3220A

Popular Knight 20-Watt P.A. Amplifie
Gives Clear Coverage in Medium-Size Ar

$42^50 $5 monthly

- Provides Highly Intelligible Voice and Music Reprodu
- Five Tubes in Push-Pull Circuit for Wide Range Resp
- Ideal for Offices, Restaurants, Classrooms, Lecture
- Std. Impedance Outputs and Constant-Voltage Outp

Compare—this popular P.A. amplifier gives you more power,
features, more quality than any other in its price range.
tubes (plus rectifier) in push-pull circuit for highly intelli
voice and music response. Inverse feedback circuit assures
mum hum and distortion. "Quick Set" selector plug for 4,
ohms, and 25 or 70.7 volts constant-voltage output. 5x12½x1
Charcoal gray and green. For 110-120 v., 50-60 cycle AC. Ma
U.S.A. 16 lbs.
95 U 102 MU. *$5 Monthly* **42**

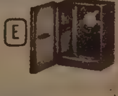
KN-3220A Specifications

Power Output: 20 watts rms (40 watts peak). **Response:** ±2
30-20,000 cps. **Inputs:** 1 Mic, 2 Aux. **Controls:** Mic and aux. fa
Master tone; on-off switch. **Gain:** Mic, 126 db; aux., 83 db. **Ou**
4, 8, 16 ohms; 25 and 70.7 volts.

Installation Notes Connectors: Mic, Amphenol 75MC1F or Sw
craft 2501F (Uses 2, 1 supplied); aux., pin plug (Uses 2, 1 suppl
Speakers: Screw-type terminals for 2-conductor wire (not
plied). **Space Required:** 3" behind, 5" above cabinet. **Powe**
quirements: Amplifier, 105-130 v., 50-60 cycle AC; optional p
top, 60 cycle AC only. (See page 374 for phono top.)

Complete 20-Watt Systems

as low as **$59^95**



Complete Indoor Sound System

Includes: Knight KN-3220A Amplifier; (C) Knight KN-4510 Mike with Stand; (D) Utah "Stellar" Wall Baffle (In Blonde or Walnut—*Specify*) with 8" Speaker; 50' Speaker Cable. 22 lbs.
22 U 112 CDL2MU. *$5 Monthly*. **59.95**

Complete Portable Sound System

Includes: Knight KN-3220A Amplifier; (C) Knight KN-4510 Mike with Stand; (E) Baffle-Carrying Case with Two 12" Speakers; 50' Speaker Cable. Entire system fits in case. 45 lbs.
95 U 415 DL3MU. *$5 Monthly*. **82.25**

Knight P.A. Equipment Is Available Exclusively at A

ꓭOGEN *Public Address System Components*

mike, 2-aux.

X30A 30-Watt Amplifier

ike inputs (4 convert to low im-
ance with T200 transformer, be-
1 converts to mag. phono/tape
l) plus 2 aux. 6 inputs can be
ltaneously mixed and faded.
: speech filters, variable cali-
ed notch filter, master gain con-
remote gain-control circuit, var-
e-level memory markers, boost-
-cut bass and treble controls.
rtion: under 2% at 30 watts.
onse: 21-40,000 cps ±1½ db.
; mike, 125 db; aux., 85 db; mag.
io, 120 db. **Hum & Noise:** mike,
db. **Impedance:** 4, 8, 16, 163
s; balanced 25 and 70-v. line.
16½x12". 8 tubes, 5 silicon rec-
rs. For 105-125 v., 50-60 cycle
31¾ lbs.

380 MU. *$8 Monthly*. . **157.45**

379 MU. MX60A 60-Watt Ampli-
Above, but 83-ohm output in-
l of 163-ohm. 35¾ lbs. . . **194.65**

nsformers for Bogen Amplifiers

381. T200 Mike Transformer.
ohm. 2 lbs. **11.25**

367. TL600. For MXM-A, M-
A, MT100. 500/600-ohm . **12.00**

3-mike, 2-aux.

M330A 30-Watt Amplifier

Has 3 mike inputs (2 convert to mag. phono/tape) and 2 aux. 4 inputs can simultaneously mix and fade. Master gain; separate bass, treble controls; remote gain control circuit; level memory markers. 20-20,000 cps, ±2 db. **Distortion:** 2% at 30 watts. **Gain:** mike, 120 db; aux., 95 db; mag. phono, 105 db. **Hum & Noise:** mike, –65 db; aux., –80 db. 4, 8, 16, 163 ohms; balanced 25, 70-v. line. 5 tubes, 2 rectifiers, diode. 5¾x14⅞x9⅞". For 105-125 v., 50-60 cycle AC. 22 lbs.

57 U 382 MU. *$6 Monthly*. . **113.25**

57 U 369 MU. M60A 60-Watt Amplifier. Above, but 82-ohm imp. instead of 163-ohm. 28 lbs. **138.75**

57 U 368 MU. New M120 120-Watt Amplifier. 3 mike, 2 phono/tape, 2 aux. inputs. 8, 16 ohms; 25, 70-v. line. 7 tubes, 3 rectifiers. 4¾x16½x12". 42 lbs. *$10 Monthly*. **194.90**

Phono Top for Bogen P.A. Amplifiers

57 U 373 MX. LPC-4 4-Speed Phono Top. For all amplifiers above and at right. With cartridge, mat and mtg. brackets. 5x13x9¼". 7 lbs. **24.90**

CHB35A 35-Watt Amplifier

Low-cost 35-watt amplifier featuring 2 high impedance mike inputs with separate controls, 2 aux. with faders and 1 magnetic phono input. Has master gain control; remote control circuit, able to adjust volume from up to 2000′ away; memory level markers; bass and treble controls. **Distortion:** under 5% at 35 watts. **Response:** 20-20,000 cps, ±2 db. **Gain:** mike, 125 db; aux., 100 db; mag. phono, 115 db. **Hum & Noise:** mike, –65 db; aux., –80 db. **Impedance:** 4, 8, and 16 ohms; 25 and 70-v. line. 5 tubes, 2 rectifiers, 1 diode. 6¾x15¾x10". For 105-125 v., 50-60 cycle AC. Less phono-top (left). 21 lbs.

57 U 346 MX. *$5 Monthly*. **73.40**

57 U 358 MX. Model CHB20A. Above, but 20-watt output and only 1 mike input. Shpg. wt., 17¼ lbs. *$5 Monthly*. . . . **59.95**

57 U 347 MX. Model CHB50. Above, but 40 watts. 21 lbs. *$5 Monthly*. **85.40**

57 U 348 MX. Model CHB100. Above, but 100 watts. 18¾ lbs. *$6 Monthly*. . . **116.90**

35-WATT MOBILE AMPLIFIER. 1 mike, 2 aux.
ts. **Distortion:** under 10% at 35 watts. **Re-**
se: 150-15,000 cps, ±3 db. 4, 8, 16 ohms.
6¼". For 12-v. DC. 8 lbs.

364 MX. *$5 Monthly*. **79.45**

365 MX. BT20. Above, but 20 watts. 1 mike,
k. input. 6½x4½x4". 3½ lbs. **59.95**

100-Watt Booster

B Mixes Any 4 Inputs

C NEW Mixes 7 Inputs Simultaneously

0100A 100-WATT BOOSTER-AM-
IFIER. Features 115-volt output;
sion for paralleling several am-
rs. **Distortion:** under 2% at 100
. **Response:** 8-50,000 cps, ±1
um (below 100 watts): –80 db.
lance: 16 ohms; balanced 25, 70
15-v. (industrial) line. Requires
input. 5 tubes, 3 rectifiers.
x13". For 105-125 v., 50-60
AC. 29 lbs.

316 MU. *$7 Monthly*. . **136.45**

100-WATT SOLID-STATE AM-
. (Not illus.) For fixed or mobile
5-35,000 cps, ±1 db. 16 ohms;
and 115-v. line. 14 transistors,
les, 2 silicon rectifiers. 6x8x13".
05-125 v., 50-60 cycle AC, or
v. DC. 30 lbs.

386 MU. *$11 Monthly*. **209.95**

B MX6A LOW-COST MIXER-PREAMP. Has 4 hi-Z mike, 2 aux. inputs for tuner or phono. Mixes 4 of its 6 inputs simultaneously. Cathode-follower output. **Gain:** mike, 59 db; phono, 30 db. 5½x8x4¾". 105-125 v., 50-60 cycle AC. 4¾ lbs.

57 U 337 MX. *$5 Monthly*. . **40.50**

C MXM-A MIXER-PREAMP. For critical uses. 5 mike inputs (1 converts to mag. phono/tape head); 2 hi-Z aux. inputs, 1 bridging. Mixes 7 inputs simultaneously. Also has monitoring level meter; hi-Z output or 500-ohm with TL600 transformer, above; speech filters for each channel; variable notch filter. 18-38,000 cps, ±1 db. 4¾x16½x12". 105-125 v., 50-60 cycle AC. 20 lbs.

57 U 310 MU. *$9 Monthly*. **164.95**

VP18 All-Transistor Transcription Player

$140.90

$8 monthly

NEW

Variable speed player with 10-watt (sine wave) amplifier that offers solid-state circuitry: high reliability, low heat, instant play and minimum weight. One side of case is amplifier/player; other side is heavy-duty 12" speaker system with 25′ cable. Turntable is variable from 29 to 86-rpm (click stops at 16, 33½, 45, 78-rpm). Has automatic cueing, takes up to 16" discs. **Response:** 45-18,000 cps, ±1½ db. **Inputs:** 1 hi-Z mike, 1 phono. 7 transistors, 4 diodes. 10¾x15¾x16½". For 110-120 v., 60 cycle AC. 34 lbs.

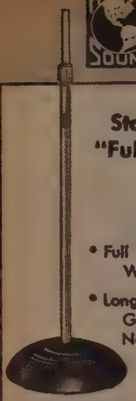
57 U 387 MU. *$8 Monthly*. **140.90**

57 U 300 MU. VP25. Above, but 20 watts and 2 mike inputs. 34 lbs. **177.25**

57 U 374 L2MU. VP50-DS. Above, but 40 watts and 2 detachable 12" speakers. 15 transistors, 2 diodes. 59¼ lbs. **249.25**

All Your P.A. Needs Immediately—Use Allied's Credit Fund Plan

Microphone Stands and Accessories



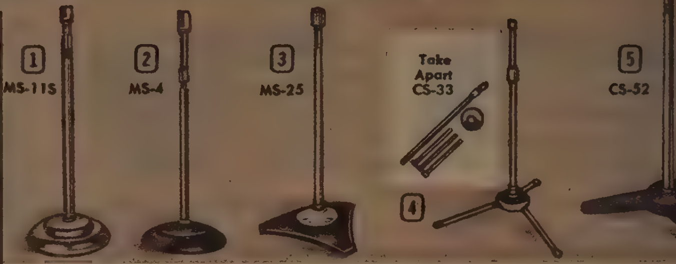
Stand Has Long "Full Grip" Clutch

$6 32

- Full of Features You Want, Low in Price
- Long Clutch Can Be Gripped by "Hand," Not Just by Fingers
- Velvet-Quiet Slide Action

MS-10C. Extra-long clutch for secure grip. Inner-lined with bakelite to prevent rattle, jamming, sudden dropping. For average-weight mikes. 2-section chromed tube adjusts 35-64". 10" gray base; self-leveling shock-absorbing pads. ⅝"-27 thread. 9½ lbs.
57 U 325 L2X............6.32

MS-11C. Above, all chromed.
57 U 326 L2X. 11½ lbs....**8.53**



[1] **MS-11S AUTOMATIC FLOOR STAND.** Press control, tube lowers. Adjusts 35-65". All chromed. 10" base. ⅝"-27 thread. 16 lbs.
57 U 271 L2X................15.29

[2] **MS-4 TELESCOPING FLOOR STAND.** Adjusts 26-61". 3 sections. Chromed. 10" gray wrinkle base. ⅝"-27 thread. 14 lbs.
57 U 270 L2X................9.85

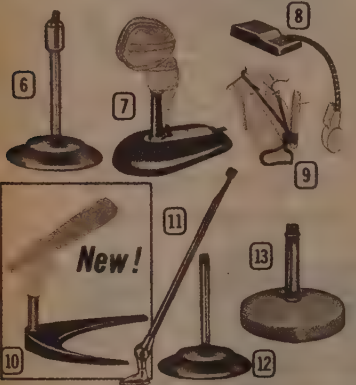
[3] **MS-25 PROFESSIONAL FLOOR STAND.** "Air Lock Cushion" controls drop of tube. Adjusts 37-66". 17" chromed and gray base. Chromed tube. ⅝"-27 thread. 22 lbs.
57 U 330 L2U................17.35

[4] **CS-33 TAKE-APART FLOOR ST**
Collapsible to 22½". Adjusts
64". Chromed. 20" base dia.; ru
feet. ⅝"-27 thread. 4 lbs.
57 U 327 X....................9

[5] **CS-52 FLOOR STAND.** Portable
adjusts 34-62". Chromed tub
piece gray shrivel 15"-dia. base. ⅝
thread. 9 lbs.
57 U 450 X....................7

**BB-1 "BABY BOOM" STAND ATT
MENT.** (Not illus.) Converts any
stand with ⅝"-27 thread to b
type. Adjustable counter balance
long. Wt., 3½ lbs.
57 U 328 X....................5

Desk Stands, Switchboard Support, Neck/Chest Hold



[6] **DS-7 ADJUSTABLE DESK STAND.** Adjusts 8-13". Chromed tube. Gray 6" base. ⅝"-27 thread. 3 lbs.
57 U 186....................3.53

[7] **DS-10 DESK STAND.** Cable fits in slot under chrome trim. Gray enamel. ⅝"-27 thread. 1½ lbs.
57 U 205....................3.53

[8] **SB-1 SWITCHBOARD SUPPORT.** Position atop switchboard or control panel. 12" gooseneck. Heavy 9x6½" base. ⅝"-27 thread. 13 lbs.
57 U 145....................10.58

[9] **NS-1 NECK/CHEST HOLDER.** Neck cord, nonrolling chest support, removable gooseneck holder. 6 oz.
57 U 183....................3.82

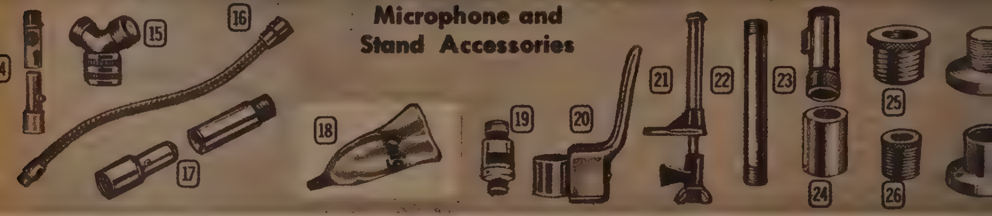
[10] **DS-14 CONTEMPORARY STAN**
chromed tube. Gray shrivel
⅝"-27 thread. 2 lbs.
57 U 109....................2

[11] **US-2 MULTIPURPOSE SUPPORT.**
tical swivel, 180°; horiz.,
12¾" arm. 2⅝" base. Chromed.
27 thread. 2 lbs.
57 U 273....................5

[12] **DS-5 DESK STAND.** 4" chromed
Gray shrivel 6" base. Rubber
⅝"-27 thread. 2 lbs.
57 U 208....................2

[13] **DS-4 DESK SUPPORT.** Detachab
chromed tube. Light beige 5"
⅝"-27 thread. ½ lb.
57 U 272....................1

Microphone and Stand Accessories



Stock No.	Fig.	Description	Wt.	EACH
57 U 110	14	Lock-on Mike Attachment	4 oz.	2.06
41 U 996	15	"Y" Mike Connector	2 oz.	.99
57 U 189	16	Flexible 13" Gooseneck	1 lb.	1.62
57 U 206 X	16	As above, 19" long	1½ lbs.	2.35
57 U 187	17	Snap-on Mike Attachment	1 lb.	1.62
57 U 115	18	"Save-Ur-Mike" Plastic Cover	2 oz.	.79
41 U 946	19	Mike Volume Control; Hi-imp.	6 oz.	4.17
57 U 207	20	Cable-Hanger; for ⅞-1¼" stems.	½ lb.	1.62
57 U 190	21	Bracket Clamp; 6" stem	1 lb.	2.35
57 U 106	22	3" Extension Rod; ⅝"-27 ends	3 oz.	.53
57 U 105	22	As above, 6" long	4 oz.	.59
41 U 950	23	Push-to-Talk Switch with lock	6 oz.	1.98
57 U 204	....	Gyromatic Mike Lock Swivel	1½ lbs.	3.09

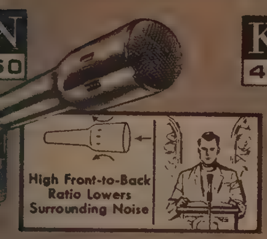
MIKE STAND ADAPTERS. For use with most desk and f
type microphone stands. All adapters are heavy-
chrome-plated units. Shpg. wt.: Models AD1, AD2, A
AD4 and AD5, 2 oz.; AD11 and AD12, 6 oz.

Stock No.	Type	Fig.	Description
57 U 108	AD1	25	For adapting RCA mikes. ½" male to ⅝"-27 female
57 U 198	AD2	26	⅛" pipe female to ⅝"-27 male.
57 U 199	AD3	24	⅛" pipe female to ⅝"-27 female.
57 U 201	AD4	.....	¾" long, ⅝"-27 male coupling.
57 U 202	AD5	24	⅝"-27 to ⅝"-27 female coupling.
57 U 104	AD11	28	Mike base flange. Female. ⅝"-27.
57 U 103	AD12	27	Mike base flange. Male. ⅝"-27.

Stands on this Page Fit All Microphones with Standard ⅝"-27 Thre

Allied's Own Microphones

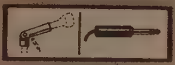
KNIGHT


N
50
High Front-to-Back Ratio Lowers Surrounding Noise

Now Available in Gold Finish

Save $1.00

When You Buy Mike With Stand



With Floor Stand Adapter

Phone Plug included

KN
4545
Cardioid Pattern Rejects Noise from Behind Mike
DESK STAND
1¢
More

essional-Quality KN-4550 Cardioid Dynamic Mike

ht's best microphone. Cardioid ern picks up sound from in front ke, rejects most sounds from rear harply reduces feedback. A fine e for P.A. and recording. Two rately tuned chambers assure th 45-14,000 cps output at −55 ⁄8″-27 threading fits all standard ls. Satin-chrome case. On-off h. 7¼x1⅞″ dia. Shipped wired igh-impedance, easily changed to impedance. 18′ cable, less con- r. Made in U.S.A. 2 lbs.

132 M. *$5 Monthly*......**34.50**

142 M. KN-4550G Mike. Above, old-color. Excellent for churches, lbs. *$5 Monthly*..........**39.50**

KN-4510 Omnidirectional Ceramic Mike with Stand

Small and light, this microphone-and-stand combination is great for home recordings, paging and lecturers. **Includes KN-4510 Mike, Desk Stand, and Floor-Stand Adapter.** Can be hand-held, or used on its own desk stand or any standard floor stand. High-impedance output, −56 db. Response, 50-11,000 cps. Brushed chrome case, gold-color grille. 5⅛x1 9⁄16″ dia. Has swivel-mount base, 7-ft. cable including a standard ¼″ phone plug. Made in U.S.A. Shpg. wt., 4 lbs.

95 U 137 M. *Save $1.00*........**9.50**

95 U 135 M. Mike Alone. 2 lbs....**7.95**

95 U 136 M. Desk Stand and Floor-Stand Adapter Alone. Shpg. wt., 2 lbs...**2.55**

KN-4545 Dual-Impedance Dynamic Mike with Stand

A fine recording and P.A. microphone at moderate cost. Directional cardioid pattern rejects sound from behind mike. **Combination offer includes KN-4545 Mike plus Stand.** Wide 70-15,000 cps response. Shock-mounted element. Features dual-impedance, 250 ohms and 20,000 ohms (impedance easily changed). Standard ⅝″-27 threading matches floor stands. Satin-chrome and black case. On-off switch. 6⅜x1¾″ dia. Includes 8-ft. cable (less connector). Made in U.S.A. 4½ lbs. *$5 Monthly.*

95 U 145 M. *Save $3.48*........**24.76**

95 U 146 M. Mike Alone. 3 lbs...**24.75**

95 U 147 M. Stand Alone. 2 lbs....**3.49**

Communications and Paging Mikes

- For CB, Amateurs, P.A.
- Push-to-Talk
- High Output

KN 4515

KN 4516

515. Push-to-talk, plus on-off switch. Wired for operation. 60-8000 cps. −48 db. Blue hammertone. ¾x5½″. Base. 7′ cable. Made in U.S.A.

165 M. Shpg. wt., 3 lbs.....................**11.95**

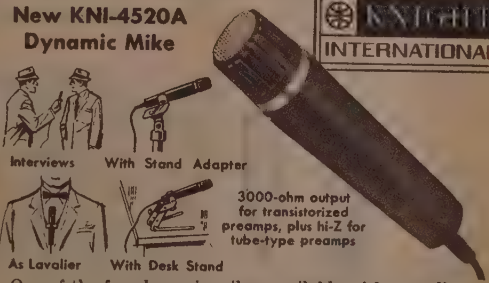
516. 300-3000 cps response for SSB (limited to . Push-to-talk and lock-switch. May be wired for . −48 db. Black. 7¾x3¾x5½″. 5′ coiled cable. in U.S.A. Wt., 3 lbs.

167 M...............................**13.74**

166 M. Electronic Switch. For electronic switching ns. Fits in base of KN-4515, KN-4516. ½ lb..**1.49**

New KNI-4520A Dynamic Mike

KNIGHT INTERNATIONAL


Interviews
With Stand Adapter
As Lavalier
With Desk Stand
3000-ohm output for transistorized preamps, plus hi-Z for tube-type preamps

One of the few dynamic mikes available with a medium-impedance output (3000 ohms) to match transistorized preamps, *plus* a high-impedance output. Perfect for replacing mikes supplied with many transistorized tape recorders. Permits better noise ratio, sensitivity, response. Omnidirectional. Output, −57 db. 80-12,000 cps. With desk stand, lavalier cord, 4½′ cable, ⅝″-27 floor stand coupler. Black. 5x15⁄16″ dia. Manufactured in Japan to Allied's specs. Shpg. wt., 2 lbs.

95 U 180 M..............................**10.85**

KN-4506 Noise-Canceling Mike

Blocks out background noise for high speech intelligibility. Ideal for mobile use. High impedance, −55 db. 60-7000 cps. Press-to-talk switch controls mike, relay. 2½x1 7⁄16x3⅝″. Coiled cable, less plug. Made in U.S.A. Shpg. wt., 1 lb.

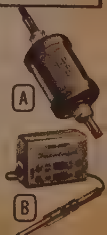
95 U 983 M...........................**7.95**

A **Knight Transformer.** Matches 50, 150, 250 or 500-ohm mikes to 40,000-ohm inputs.

95 U 172 M. Shpg. wt., 1 lb..................**9.85**

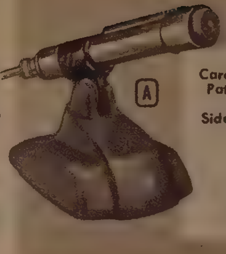
B **Switchcraft 503 Mike Preamp.** Matches mikes to transistorized recorders, amplifiers. Switchable 40K/2K input. 2K output. 4-28 db gain. With battery, 12″ cable, adapter for ¼″ and tini-jack/plug. 2x2x1″.

57 U 052 M. Shpg. wt., 4 oz...............**9.58**



Mikes for Every Purpo

E-V's Best
All-Purpose Mike
Shown with
Optional 419
Stand



Cardioid Pickup
Pattern Rejects
Sound from
Sides and Rear

Shown with
Optional
Model 420
Desk Stand

$49.98
$5 monthly

Model 664
Cardioid Dynamic

Extra-rugged dynamic microphone is E-V's best for general-purpose P.A. and recording use. Provides natural reproduction of both voice and music. Supercardioid pickup pattern discriminates against sound from sides and rear. Lets you work further from mike, and greatly reduces feedback.

"Variable-D" construction delivers uniform pattern at all frequencies. "Pop-proof" wire-mesh grille minimizes wind and breath blasts for close-talking without boominess.

40-15,000 cps. Output, −58 db. Impedance, 150 ohms or hi-Z (changeable by single wire). On-off switch. Standard ⅝"-27 thread. 16-ft. 2-cond. shielded cable. Chromed finish. 7 3/16x 1⅞". 2 lbs.
57 U 241M. *$5 Monthly*........**49.98**

57 U 209. Model 419 Desk Stand. For 664 and 644. Gray. 3 lbs.........**5.88**

A Model 676 Cardioid Dynamic

Sharply reduces large-room rumble and reverberation. Continuously "Variable-D." Switch selects flat response for small rooms or recording, or provides low-frequency attenuation of 5 or 10 db at 100 cps for large rooms. Response, 40-15,000 cps. Output, −58 db. Impedance, 150 ohms and hi-Z. 16-ft., 2-cond. cable. Includes Model 300 stand adapter with standard ⅝"-27 thread. Chromed finish. 7⅜x1¼". Shpg. wt., 2 lbs.
57 U 432. *$5 Monthly*..........**58.80**

57 U 196. Model 420 Stand. 3 lb.**11.76**

B Model 951 Cardioid Crystal

Excellent for P.A. "Variable-D" design for uniform cardioid pattern at all frequencies; good sound discrimination. "Pop-proof" wire mesh grille. 50-11,000 cps. Hi-Z output, −60 db. Gray case, 16-ft. cable. ⅝"-27 thread. 5⅜x1¾" dia. 1½ lbs.
57 U 218. *$5 Monthly*..........**32.05**

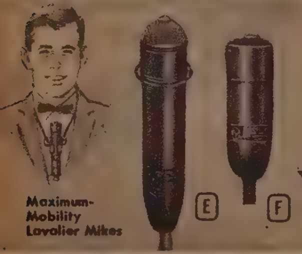
C 644 Dynamic "Sound Sp

Directional mike combines ca
pattern and distributed-front op
for greatly extended frontal p
Over 700 cps, rejection at side
rear is 20 to 25 db. Reverb and
back sharply reduced. 40-10,00
Hi-Z output, −53 db. 150 ohm
hi-Z. On-off switch. 16-ft. 2-
shielded cable. Die-cast satin-c
case, ¾" dia. aluminum tube.
thread. 16x2 5/16" dia. 3 lbs.
57 U 121. *$5 Monthly*.........**6**

D Model 729SR Low-Cost Ce

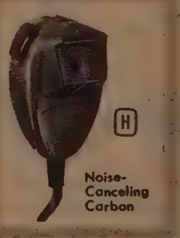
Cardioid mike for Hams, P.A., p
Front pickup range nearly
that of pressure mikes. 60-800
Hi-Z output, −60 db. On-off
also controls external relay. 10'
desk stand, floor stand adapt.
8¼x1⅜x1½". 1 lb.
57 U 181......................**1**

57 U 173. Model 729. As above
switch. Shpg. wt., 1 lb.........



Maximum-
Mobility
Lavalier Mikes

Tops for
Mobile and
Paging Use



Noise-
Canceling
Carbon

E Model 647A Dynamic Lavalier

Hang on neck cord, clip to jacket, or hold in hand. Only 2 oz. (less cable). Exclusive Acoustalloy diaphragm withstands humidity, temperature extremes, shock. 60-12,000 cps. "Pop-proof." Output, −60 db. Imp., balanced 150 ohms or hi-Z. Aluminum case, 3¾x¾". 18' cable, cord, clip. 1 lb.
57 U 264. *$5 Monthly*..............**48.51**

F 649B Smallest Dynamic Lavalier

Standard of TV industry. Only 31 grams (less cable). 60-12,000 cps. Output, −61 db. Low impedance. 30-ft. cable. Acoustalloy diaphragm. "Pop-proof" wire-mesh grille. Aluminum case in non-reflecting gray. Just 2¼x ¾" dia. With neck cord, clip, 1 lb.
57 U 118. *$5 Monthly*..............**61.74**

G 717 Communications Mike

Noise-canceling ceramic for intelligible speech in noisy areas. Press-to-talk DPDT switch for mike, external relay. 100-7000 cps. Hi-Z, −55 db. 10" (retracted) 3-cond. coiled cable, bracket. 2½x1 1/16x3⅝". 1 lb.
57 U 433.....................**11.47**

57 U 167. Model 714. As above, but not noise canceling. 1 lb.........**9.70**

H Model 205STCKK Differential

Noise-canceling single-button carbon. FAA-approved for aircraft. Push-to-talk. Blastproof. Close-talking type (output at ¼", −50 db). 2¼x2¼x4". Mtg. bracket, 6' coil cord. 1 lb.
57 U 035. *$5 Monthly*.........**29.40**

American

Division of ELECTRO-VO

D-20
Microphon

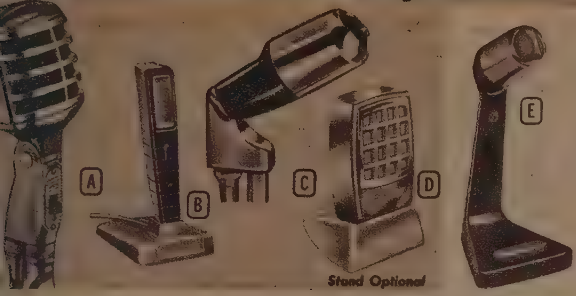
Best-Value Dynamic
Mike Package . . Fo
General-Purpose Us

With 2-Position Des
Stand, Lavalier Cor
Leather Storage Ba
Floor-Stand Couple

Versatile omnidirectiona
namic mike. For general
applications, tape reco
—popular with musician
entertainers. Desk or
stand mounting, lavalie
hand-held. Provides uni
pickup over 80-12,000
Output, −58 db. High
pedance. Die-cast case in
reflecting black. 6⅜x 15/16
Supplied with all access
described above. From Ja
Shpg. wt., 1 lb.
57 U 119................**11**

ll-Directional Microphones

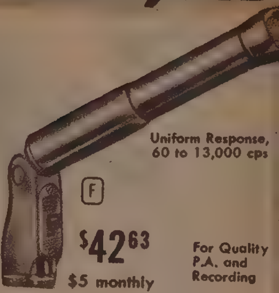
Electro-Voice



NEW

$16^{17}

Push-to-Talk or Grip-to-Talk Operation



$42^{63}

$5 monthly

For Quality P.A. and Recording

A Model 911 Crystal Mike

h-impedance mike has all-direc-
al pattern; offers full coverage
easy placement. Crystal element
high output for P.A. and record-
50–10,000 cps. Output, –50 db.
vel mount has on-off switch, ⅝"-
hread. (See stand at right.) 16-ft.
lded cable. Satin chromed. 2⅜x
x6¾". 2½ lbs.

J 242. . . . . **19.11**

Model 727SR Ceramic Mike

time favorite for Ham, CB, P.A.
recording use. Omnidirectional.
h-impedance output, –55 db.
DT on-off switch controls mike
external relay. Ceramic element is
idity resistant. 60-8000 cps. With
3-conductor cable, desk stand,
27 floor-stand adapter. Meta-
e gray. 7⅞x1½x1¼". 1 lb.

J 257. . . . . **11.76**

J 175. Model 727. As above, but
out on-off switch. 1 lb. **10.58**

C Model 641 Dynamic Mike

Omnidirectional for paging, recording, P.A. 70-10,000 cps. –57 db. On-off switch. ⅝"-27 thread. 16-ft. cable. 4¾x1⅓" dia. 1 lb.

57 U 265. Low Impedance **20.58**
57 U 451. High Impedance **20.58**

D Model 715 "Century" Ceramic

Low-cost, high-impedance omnidirectional mike for recording and paging. 60-7000 cps. –55 db. 5-ft. cable. Less stand. 3x2 3/16x1". Wt., 1 lb.

57 U 245. . . . . **7.64**

E 719 Push-to-Talk Ceramic

Just right for CB, Ham and other communications. Push/talk—slide-lock bar. Converts to grip/talk. 70-7000 cps. 1-piece, die-cast mike and stand, 9x4⅜x4¾". DPDT. Hi-Z, –56 db. 16' 3-cond. cable. 2½ lbs.

57 U 120. . . . . **16.17**
57 U 124. Model 619. Dynamic. 70-10,000 cps. –57 db. 2½ lbs. . . . **27.93**

F Model 636 "Slimair" Dynamic

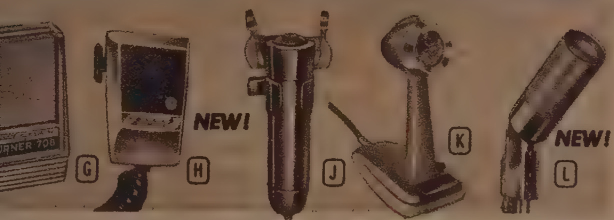
Deluxe omnidirectional dynamic. Inconspicuously slim—diameter only 1⅛". Easily concealed, yet provides output equal to mikes four times as large. 60-13,000 cps response. Output level, –58 db. Wire-mesh "pop-proof" filter eliminates wind and breath blasts. Impedance, 150 ohms and hi-Z (shipped wired for hi-Z). On-off switch on 90° vertical swivel base with standard ⅝"-27 thread. Satin-chromed steel case. 10¼x1⅛" dia. 16-ft. 2-cond. shielded cable. 2 lbs.

57 U 244. *$5 Monthly* **42.63**

57 U 146. Model 418 Desk Stand. (Not illus.) For E-V Model 636, 641, 911 and 951 Mikes. Wt., 3 lbs. **5.88**

57 U 210. Model 502A Transformer (Not illus.) Matches long-line, low-impedance mike to a high impedance. Response, ±1 db, 40-20,000 cps. With MC-4 input connector and 2-ft. cable. 2⅞x1 15/16". 1 lb. **10.29**

ENERAL-PURPOSE TURNER MICROPHONES



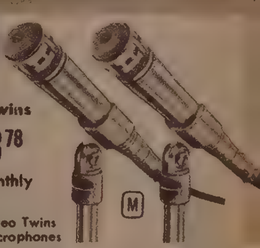
TURNER

500 Twins

$98^{78}

$5 monthly

Deluxe Stereo Twins Matched Microphones



MODEL 708 CRYSTAL HAND MIKE.
All-directional mike for home re-
ling. For hand or table-top use.
0,000 cps. Hi-Z, –54 db. 6' cable,
no plug, adapter. 1 lb.

J 293. . . . . **7.35**

33 CERAMIC NOISE-CANCELING.
High-output mike for mobile use.
3000 cps. Hi-Z, –30 db. Wired
relay switching. 5' coiled cable.
g. wt., 1 lb.

J 101. . . . . **12.64**

ODEL 58 DYNAMIC LAVALIER.
mall, omnidirectional. Only 4"
—3½ oz. 60-13,000 cps. –60 db.
, 150 ohms and hi-Z. With lava-
assembly, 25' cord. 1 lb.

294. *$5 Monthly* **33.52**

K MODEL 254C CERAMIC DESK MIKE. For Amateur and CB base stations. Has both touch-bar and lever-lock on-off switches. 80-7000 cps. –54 db. Hi-Z. 7-ft. cable. 3 lbs.

57 U 165. . . . . **13.82**
57 U 292. Model P254C. As above, but with push/talk button. 3 lbs. . . . **15.29**
57 U 219. Model 454X. Above, for push/talk. (May be wired for VOX). 300-3000 cps. –48 db. **15.58**

L MODEL 44D DYNAMIC. Compact, all-purpose omnidirectional mike. 85-15,000 cps; adjustable to 60-15,000 cps. –56.5 db. With 12' cable, on-off switch. 2 lbs.

57 U 220. High Impedance **26.46**
57 U 224. Low Imp. 150 ohms . . . **26.46**

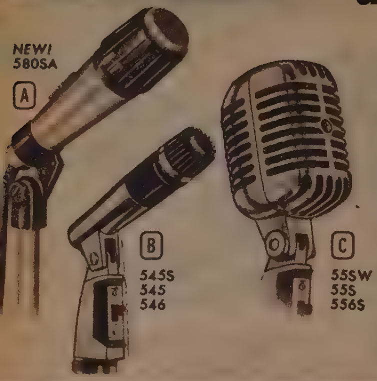
M Model 500 Stereo Twins

Cardioid dynamic mikes are matched to ensure equal sensitivity for best stereo recordings. Feature frontal pickup with side and rear rejection. 40-15,000 cps. Output, –55 db. Impedance, 150 ohms or hi-Z. Wind screen permits outdoor use, prevents "popping" and breath blasts. Chrome finished die-cast case. 90° swivel mount has ⅝"-27 thread. 6 13/16x1 17/32" dia. 20-ft. 3-cond. cable and phone plug. Wt., 6 lbs.

57 U 028. Matched Pair **98.78**
57 U 221. Model S-500. As above, but with on-off switch. 3 lbs. **102.90**
57 U 029. Single 500 Mike. 3 lb. . **49.39**
57 U 222. Gold-Finish 500. . . . . . . **49.39**

SHURE

General-Purpose Dynamic Mike

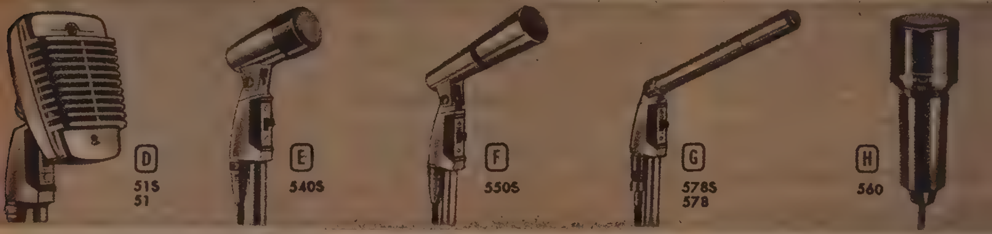


World Famous "Unidyne" Dynamic Cardioid Microphon

A **580SA "UNIDYNE A."** 50-11,000 cps. Hi-Z: −58 db. Chrome. Or switch, swivel adapter, 15′ 2-cond. $6\frac{5}{8}$x$1\frac{3}{4}$" dia. 3 lbs.
57 U 050. *$5 Monthly*..............................**34.**
57 U 051. 580SA(MP) Matched Pair for Stereo. With plugs. 6 lbs...**Pair 6**

B **MODEL 545S "UNIDYNE III."** 50-15,000 cps. Outputs: 50-250 ohms, db; hi-Z, −55 db. Chrome, black. On-off switch, swivel mount, 18 cond. cable. $5\frac{13}{16}$x$1\frac{1}{4}$" dia. Shpg. wt., 3 lbs.
57 U 133. *$5 Monthly*..............................**52.**
57 U 161. Model 545. Above, less on-off switch. Swivel adapter.......49
57 U 458. Model 546. A deluxe 545S. Switch, shock-mounted. 50-250 ol switch, swivel mount, Cannon XL-3-11, 20′ 2-cond. cable. $3\frac{5}{8}$ lbs....79

C **MODEL 55SW "UNIDYNE II."** 50-15,000 cps. Outputs: 35-50 ohms, −55 150-250 ohms, −56 db; hi-Z, −57 db. Satin chrome. On-off switch, sw mount, 18′ 2-cond. cable. $7\frac{3}{8}$x$2\frac{3}{16}$x$3\frac{1}{16}$". 4 lbs.
57 U 135. *$5 Monthly*..............................**49.**
57 U 234. Model 55S. Above, without on-off switch..................48
57 U 235. 556S. Deluxe 55SW. 40-15,000 cps. Shock mounted. $4\frac{1}{2}$ lbs. 79



D **MODEL 51S "SONODYNE I."** Rugged, high-output all-directional dynamic. 60-10,000 cps. Outputs: 35-50 ohms, −51 db; 150-250 ohms, −52.5 db; hi-Z, −52 db. Satin chrome. Swivel mount, on-off switch, 15′ 2-cond. $5\frac{3}{16}$x$3\frac{1}{8}$x$\frac{1}{8}$". $3\frac{1}{2}$ lbs.
57 U 136. *$5 Monthly*........**30.28**

57 U 228. Model 51. Above, but less on-off switch. *$5 Monthly*......**29.11**

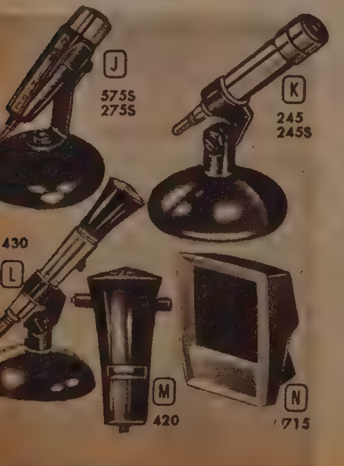
E **MODEL 540S "SONODYNE II."** All-directional 360° mike. On-off switch; adjustable response: 60-10,000 cps for music, 150-6500 for speech. 50-250 ohms and high imp. Outputs: hi-Z, −55 db; low-Z, −57 db. Chrome, black. Swivel mount, 15′ 2-cond. cable. $3\frac{5}{8}$x$1\frac{11}{16}$". $2\frac{1}{4}$ lbs.
57 U 132. *$5 Monthly*........**29.37**

F **MODEL 550S.** Wide-range dynamic mike for high-fidelity recording and quality sound systems. 50-15,000 cps. 50-250 ohms and high impedance. Output: hi-Z, −58.5 db; low-Z, −57.5 db. Satin chrome. Has on-off switch, swivel mount, 18′ 2-cond. cable. $6\frac{1}{2}$x$1\frac{1}{2}$" dia. 3 lbs.
57 U 459. *$5 Monthly*........**40.57**

G **MODEL 578S "OMNIDYNE."** Ultra-slim, all-directional dynamic mike for outstanding sound reproduction. 50-17,000 cps response. Dual impedance: 200 ohms and high. Output: hi-Z, −59 db; low-Z, −60 db. Satin chrome. Has on-off switch, swivel mount, 18′ 3-cond. detachable cable. $7\frac{3}{8}$x$\frac{3}{4}$" dia. Wt., $1\frac{1}{4}$ lbs.
57 U 460. *$5 Monthly*........**52.92**

G **MODEL 578.** Similar to 578S, scribed at left, but features pr design, with attached cable, for h use. Swivel adapter supplied for mou ing on stand. Shpg. wt., 11 oz.
57 U 442. *$5 Monthly*........**48.**

H **MODEL 560.** Dual impedance, namic mike designed for lava applications. Can be hand-held, u on floor stand, on desk stand, or w in lavalier manner around neck. 10,000 cps response. Pin jacks can repositioned to change impedar 150-250 ohms and high-imp. Outp hi-Z, −60 db; low-Z, −60 db. Bl satin. With lavalier cord and assembly, 18′ 2-cond. cable. 3 $1\frac{21}{64}$" dia. Wt., 15. oz
57 U 461. *$5 Monthly*........**24.**



Low-Cost Home Recording and P.A. Microphones

J **MODEL 575S.** All-directional, high-impedance dynamic. Up-grades home tape recording equipment. 40-15,000 cps response. Output: −59 db. Black satin. On-off switch, stand adapter, lavalier assembly, 7′ single cond. cable. Less S-38B base (see page 383). $4\frac{3}{4}$x$1\frac{1}{4}$". 5 oz.
57 U 462..........................**14.11**

57 U 284. Model 275S. Ceramic version of above mike. 40-12,000 cps response. Impedance: 1-5 meg. Output: −59.5 db. Switch, stand adapter, lavalier assembly. Wt., 5 oz......**8.81**

K **MODEL 245.** High-impedance, ceramic mike with cardioid pattern. 50-7000 cps. Output: −59 db. Swivel adapter, 15′ cable. Less base. $4\frac{3}{4}$x$1\frac{1}{8}$". Shpg. wt., $1\frac{1}{4}$ lbs.
57 U 285. *$5 Monthly*........**20.58**

57 U 286. Model 245S. Above, with on-off switch. *$5 Monthly*........**21.76**

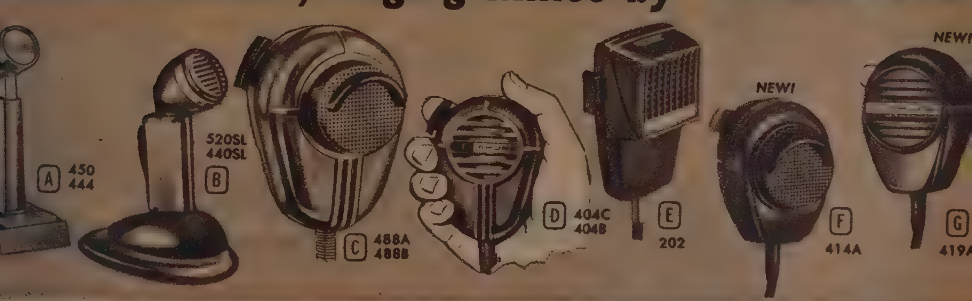
L **MODEL 430.** All-directional, d impedance, controlled magne mike. 60-10,000 cps. 150-250 ohms a high-imp. Output: −52 db. Gray a satin chrome. On-off switch, swi adapter, 15′ 2-cond. cable. Less ba $6\frac{37}{64}$x$1\frac{3}{4}$". Wt., $2\frac{1}{4}$ lbs.
57 U 213. *$5 Monthly*........**22.**

M **MODEL 420.** Dual impedance, c trolled magnetic mike. Laval type with all-directional pickup. 10,000 cps. 150-250 ohms and high i pedance. Output: −52 db. 20′ 2-co cable, lavalier assembly. $3\frac{11}{16}$x1 Shpg. wt., $\frac{3}{4}$ lb.
57 U 212..........................**17.**

N **MODEL 715.** High-impedance cr tal mike with built-in stand. 10,000 cps response. 1-5 meg. Outp −50 db. 5′ cable. Compact, $3\frac{1}{8}$x2 $1\frac{1}{4}$". Wt., $1\frac{1}{2}$ lbs.
57 U 215..........................**4.**

Stand-Mounting Mikes Have Standard 5/8"-27 Threa

ommunications, Paging Mikes by SHURE



Controlled Magnetic and Noise-Canceling Types for Paging, Ham and CB

MODEL 450. Controlled magnetic. Adjustable stand height. Lockable h-to-talk, mike-relay switch. 100-0 cps. Outputs: hi-Z, −54 db; -Z, −53 db. Two-tone gray. 7′ 4-d. cable. "Armo-Dur" case, 10⁵⁄₁₆x ₆x4″. Wt., 3½ lbs.
U 444. *$5 Monthly*........**29.11**

U 441. Model 444. Above, for Hams; Z only. 300-3000 cps. Output: −54 VOX switch. *$5 Monthly*..**24.99**

MODEL 520SL. High impedance, controlled magnetic. Grip-talk, king switch. 100-9000 cps. Output: 2.5 db. Chrome, green. 7′ 2-cond. le. 9⅜x5″ base. 5 lbs.
U 233. *$5 Monthly*........**26.46**

57 U 464. Model 440SL. Like 520SL, but for Hams. 300-3000 cps....**27.93**

C **488A.** Controlled mag. noise-canceling. 200-4000 cps. −18 db, hi-Z. Push-talk, bracket, 5½′ coiled cable. 3¹¹⁄₁₆x2⅝x2½″. 1 lb.
57 U 439. *$5 Monthly*........**33.81**

57 U 440. Model 488B. Above, but low-Z. 150-250 ohms. −37 db......**33.81**

D **404C.** Controlled mag. hi-Z. 200-8000 cps. −50.5 db. Push-talk, bracket, 5½′ coiled cable, high impact "Armor-Dur" case. 1 lb.
57 U 141....................**19.40**

57 U 140. Model 404B. Above, but 150-250 ohms. Output: −50 db....**19.40**

E **202.** Ceramic, noise-cancel. 200-4000 cps. hi-Z: −50 db. Switch, bracket, 5′ coiled cable. 1 lb.
57 U 465....................**11.76**

F **MODEL 414A.** High-impedance, controlled magnetic. 200-4000 cps. Output: −52.5 db. Push-talk switch. 2¹⁄₁₆x2⅞x1¾″. Coiled cable.
57 U 229. Wt., 1 lb...........**19.40**

G **MODEL 419A.** Noise-canceling controlled magnetic mike. For use in noisy areas. 200-4000 cps. High impedance. Output: −17 db. STDP switch, retractable cable. 2¹⁄₁₆x2⅞x2½″. Shpg. wt., 2 lbs.
57 U 230. *$5 Monthly*........**33.81**

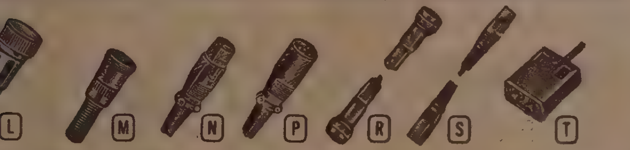
Accessories for Shure Microphones

S-38B BASE. For mikes with stand adapters. Wt., 1½ lbs.
U 445....................**2.65**

A-25B SWIVEL 90° ADAPTER. Has ⅝″-27 thread. Wt., ½ lb.
U 446....................**3.23**

K **A95A TRANSFORMER.** For low-Z to high-Z. Matches 35-50 or 150-250 ohms. Built-in Amphenol MC1F output, Cannon XL-3-11 input. ±1 db, 20-20,000 cps. 2½x¾″. 9 oz.
57 U 466....................**10.29**

SWITCHCRAFT Mike Connectors, Cables and Mixers



ROPHONE CONNECTORS. 1-con- 2501's fit Knight P.A. amplifiers ept KN-3050—use Fig. N). To ce two cords, use two 2501F. ures N, P are quick-ground 3 and ntact insulated types. 4 oz.

k No.	Type	Fig.	Description	EACH
405	2501F	L	Plug or Jack	.35
406	2501M	M	Plug	.26
417	A3F	N	Fem. Conn.	1.32
418	A4F	N	Fem. Conn.	1.62
419	A3M	P	Male Conn.	1.12
420	A4M	P	Male Conn.	1.18

E EXTENSION CABLES. 2-cond. lded. Type 87AN84—2501F one stripped and tinned other. Type P87, 87AU87—2501F at each end. e 91BU92, A3F to A3M at ends. lbs.

k No.	Type	Fig.	Length	EACH
152	87AN84	.....	10′ long	1.32
153	87AP87	R	12′ long	2.06
156	87AU87	R	25′ long	2.94
158	91BU92	S	25′ long	7.35

T **"MINI-MIX" AUDIO MIXERS.** Miniature hi-Z mike mixers. Accept 2 signals into single output. Separate gain controls. Low loss. 2¹⁄₁₆x1¹³⁄₁₆x 1¹⁄₁₆″. Shpg. wt., 4 oz.

57 U 112. Type 310. Two 2-cond. phone jack inputs; phone plug out.....**4.67**

57 U 114. Type 311. Above, with plug output for recessed jacks........**5.26**

57 U 404. Type 313. Above, short plug, jacks for Wollensak/Revere.....**5.26**

57 U 113. Type 320. Male in; female out for ⅝″-27 screw-connector..**4.67**

BELDEN SHIELDED MIKE CABLE. 1-cond., hi-Z, except *low-Z, 100′, 4 lbs.

Mfr's Type	Dia.	50′ Spool		100′ Spool	
		Stock No.	EA.	Stock No.	EA.
8401	.200″	47 U 863	2.52	47 U 864	4.65
8410	.245″	47 U 798	4.75	47 U 799	8.65
8411	.144″	47 U 868	1.88	47 U 869	3.45
8422*	.231″	47 U 874	3.55	47 U 875	6.30
8428*	.295″	.....	.....	47 U 848	12.15

STEREO
MON.
SWITCHCRAFT

Model 306

MODEL 306 STEREO MIXER. Four monophonic channels convert to two stereo. Four input jacks on rear panel. High-impedance circuit. Two phono jacks for output to amplifier or recorder. 2x3x6″. Wt., 1½ lbs.
57 U 171....................**13.23**

57 U 172. Model 306TR. Above, with 2 battery-operated transistor amplifiers. With battery. 1½ lbs..........**22.05**

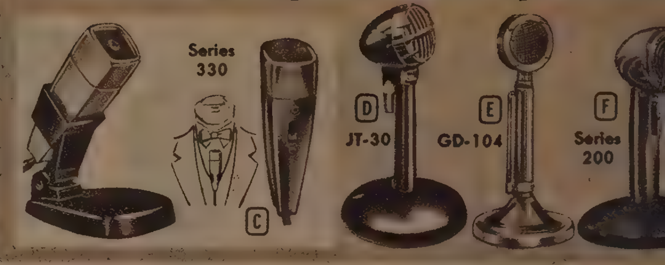
MODEL 301 MONO MIXER. Permits mixing 4 signals into a single output. Accepts std. 2-cond. phone plugs—std. phono jack output to recorder or amplifier. Hi-Z. 2x3x6″. 1½ lbs.
57 U 169....................**11.47**

57 U 170. Model 301TR. Above, but battery-powered transistor amp. With battery. Wt., 1½ lbs..........**17.64**

41 U 341. 36″ Connector Cable. Interconnects mixer to recorder. 2-conductor phone plug one end, phono plug other. Shielded cable. Wt., 4 oz...**88¢**

General-Purpose Microphones

B
Model 77L
UG8 Stand (optional)
A
Model 77



Dynamic Cardioid Mikes

A **MODEL 77.** 18-db front-to-back cancellation greatly reduces chance of feedback. Pop and blast-proof diaphragm. 30-15,000 cps. Output: −52 db at 50 ohms. Switch selects 30-50, 150-250 ohms and high-Z. On-off switch. Satin-chrome. 8x2⅛x2⅝″. 20′ 2-cond. cable. Less stand.
57 U 177. 3 lbs. *$5 Monthly*........**48.51**

B **MODEL 77L.** As above, but no on-off switch or cable.
57 U 454. *$5 Monthly*........**42.63**

UG8 DESK STAND. Has grip-to-talk, slide-to-lock DPDT switch for balanced or unbalanced line. Chrome and gray. $\frac{13}{16}$x27″ thread. 8¼x5½″ dia. 6-ft., 4-cond. cable. 1¾ lbs.
57 U 455........**17.61**

MODEL G DESK STAND. Above, but with SPST switch.
57 U 001........**14.67**

Slim All-Purpose Mikes

C Omnidirectional mikes for CB, Ham, P.A., taping, etc. Have off-on switches, except 331, momentary "on" spring-return. With lavalier (except 331) and ⅝″-27 thrd. adapter. Less stand, below. 4½x1¼″. 1 lb.

MODEL 332 CRYSTAL. 30-15,000 cps. Output: −54 db. Hi-Z. 8-ft. cable. Black and chrome.
57 U 122........**10.52**

MODEL 331 CERAMIC. Press-to-talk switch with relay control provision. 300-5000 cps. −56 db. Hi-Z. Black, chrome. Hang-up bracket, 5½-ft. (extended) coiled cord.
57 U 127........**10.52**

MODEL 335H DYNAMIC. 60-12,000 cps. −56 db. Hi-Z. Gray.
57 U 129........**15.58**

A-7 DESK STAND. Black plastic.
57 U 147. 5 oz........**1.44**

High-Impedance Crystal Mi

D JT-30. Removable hand grip;
stand. 30-10,000 cps. Omnidi
tional. Gray, chrome. 8′ cable.
57 U 223. 2½ lbs........**10**

E **GD-104.** 30-7500 cps, peaked
speech. Omnidirect. −45
Chrome. On G Stand. 5′ cable.
57 U 002. 3 lbs........**30**

57 U 017. Model UG8D104. Above,
with Model UG8 desk stand....**3**

57 U 225. Model D-104. Above,
stand. ⅝″-27 thrd. 1¾ lbs.......**1**

57 U 401. D-104 Repl. Cart. 2 oz...

F 200. 30-10,000 cps. Omnidirect
al. Output: −50 db. Base detac
⅝″-27 thread. Gold, chrome. 8x
dia. 8-ft. cable.
57 U 126. 1¼ lbs........**11**

57 U 402. 200-S. As above, with or
switch........**1**

Low-Cost Microphones and Line-Matching Transformer

G **MODEL 150 CRYSTAL.** High-output, semi-directional. Fine for tape recording. 30-10,000 cps. −44 db. Hi-Z. 2$\frac{7}{16}$x2$\frac{3}{16}$x1¼″. 5′ cable.
57 U 144. 8 oz........**3.82**

57 U 150. MC-151 Replacement Cartridge. For CX, CX-1, 200, 241, JT-30, JT-30F, JT-40, T-3 mikes. 3 oz..**4.12**

H **MODEL 539 NOISE-CANCELLI**
Close-talking ceramic. 300-
cps. −50 db. Coil cord. DPDT re
Shpg. wt., 1 lb.
57 U 490........**10**

57 U 003. LT-6 Matching Transfor
(Not illus.) Low-to-high-impeda
Amphenol connectors. 1 lb......**1**

University Omnidirectional and Cardioid Microphones

J **NEW "ATTACHE" LAVALIER.** Extremely small cardioid dynamic mike. 50-15,000 cps. Output, −57 db. 150 ohms and hi-Z. Satin-chrome, black. With neck cord, leatherette case, 15-ft., 2-cond. cable. 3$\frac{11}{16}$x1-1/6″ dia.
57 U 111. 1 lb........**39.75**

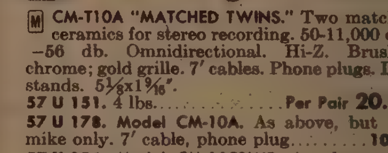
K **MODEL 2040.** Omnidirectional, dynamic mike. 50-14,000 cps. On-off switch. Output, −50 db. 50-200 ohms and hi-Z. Silver gray, black. 18-ft., 2-cond. cable. 8⅝x1$\frac{5}{32}$″ diameter.
57 U 004. 3 lbs........**30.60**

57 U 476. 2000. Above, less on-off switch. 50 ohms, hi-Z. 6⅜x1$\frac{23}{32}$″........**26.85**

L **MODEL 8100.** Cardioid, dynamic mike. 70-15,000 cps. On-off switch. Output, −60 db. 250 ohms, hi-Z. Satin-chrome and black. 15-ft., 3-cond. cable. 6⅜x1$\frac{23}{32}$″ diameter.
57 U 005. 2 lbs........**37.95**

57 U 477. 8000. As above, but less on-off switch........**34.95**

57 U 006. DS-10 Desk Stand. For mikes above except Attache. 1½ lbs........**7.65**


Stands Optional
SONOTONE
THE ULTIMATE IN BETTER LISTENING
M
N

Low-Cost
"Ceramike

M **CM-T10A "MATCHED TWINS."** Two matc
ceramics for stereo recording. 50-11,000
−56 db. Omnidirectional. Hi-Z. Brus
chrome; gold grille. 7′ cables. Phone plugs. I
stands. 5⅛x1$\frac{9}{16}$″.
57 U 151. 4 lbs........**Per Pair 20.**

57 U 178. Model CM-10A. As above, but
mike only. 7′ cable, phone plug........**1**

57 U 054. Model CM-1050WR. As above,
low impedance........**1**

MODEL CMS-10 STAND. Chrome-finished, sw
mount. For CM-T10A mike, above. Rem
able base. ⅝″-27 thrd.
57 U 179. 2 lbs........**2.**

N **MODEL CM-17B.** High-impedance, cera
mike, on 13″ fixed boom with 350° swi
50-11,000 cps. Output, −56 db. Brus
chrome case. 6-ft. cable.
57 U 154 MX. 4 lbs........**16.**

See Page 378 for Microphone Accessor

A. Column Speaker Systems

sting of several speakers arranged one above another in a special
sure, the Sound Column or Line Radiator offers *uniform loudness*
a wide horizontal pattern. The people in back can relax and hear
s well as those in front. Feedback and reverberation effects are
y reduced. Installation is simplified, complicated planning and
lation fees are usually avoided. Vertical sound systems provide better
coverage in most installations at lower cost.

A LTV-University CS-3 Uniline® Sound Column

igh-reverberation areas where
n clarity is vital. "Acoustic
ing" for uniform dispersion
esponse. 6 oval speakers and
eeters. Capacity, 25 watts.
rsion: horizontal, 120°; ver-
20°. 150-10,000 cps. 8 ohms.
Neutral finish. Size, 48x7½x8¾". Shpg. wt., 33 lbs.

57 U 007 U. *$5 Monthly*.... **89.70**

57 U 944 U. CSO-4. As above, but 75-watts, four 8" speakers. 70-17,000 cps. Weatherproof. 41x12x8". 55 lbs. **147.90**

B Argos SD-1060 Sound-Director Column

ost speaker system offers
response of 200-10,000 cps.
rsion: horizontal, 120°; ver-
30°. Capacity, 30 watts. Im-
ce, 16 ohms. Walnut vinyl
ing. Wall-mounting clips.
30¼x7x3⅛". 10 lbs.

57 U 877 X. *$5 Monthly*... **39.10**

57 U 890 U. SD-1100. Dispersion: hor., 120°; vert., 15°. 50 watts. 16 ohms. Walnut vinyl cover. 49¼x7x6". 26½ lbs. **63.65**

C Electro-Voice LR4A Curved Line-Radiator

l design restricts high-fre-
y dispersion to greatly sim-
eedback control. 200-15,000
Dispersion: horizontal, 160°;
al, 60°. Capacity, 25 watts.
8 ohms. Universal mtg.
ets. Tan wood enclosure. 49x
7x13". 30¼ lbs.

57 U 036 U. *$5 Monthly*... **73.50**

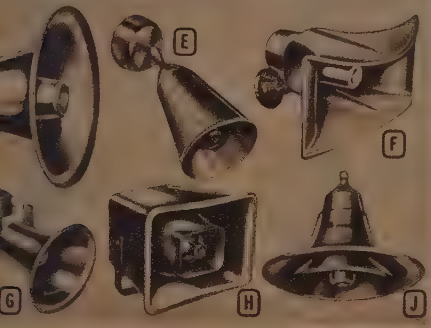
57 U 037 U. LR4S. As above, but straight-line, and weatherproofed, all-metal tan enclosure. Vertical dispersion, 30°. 52x7½x4⅝". Wt., 30½ lbs. **82.32**

A University CS-3

B Argos SD-1060

C E-V LR4A

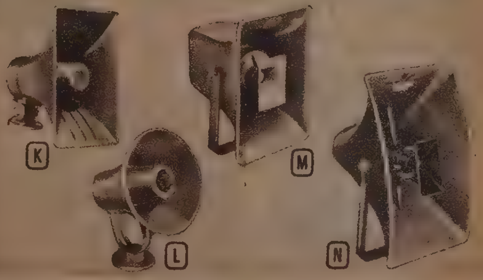
University Weatherproof Speakers



ept Type MLC are designed for use as efficient mi-
nes (talk back) as well as high-quality, weather-
d P.A. speakers with phenolic diaphragms. Excel-
r intercom systems. **Type IB-A8.** A widely used me-
ower speaker. **Type MIL-A8.** Designed for low-power
s. **Type LIL-8.** A decorative pager . . looks like a smart
mp. **Type CIB-A8.** For wide-area coverage where am-
oise level is low. **Type CMIL-A8.** For wide-area cover-
low-power systems. **Type 2WP/ID-20.** For covering
ely-located areas. **Type MLC.** A hi-fi P.A. or paging
r. **Type IBR-A8.** For wide coverage with few speakers.
ve 8-ohm impedance, except 2WP/ID-20, 16 ohms.
ve mtg. hardware. *Watts. †Swivel mounting; also
to ½" pipe without extra fixture. Av. wt., 5 lbs.

	Mfr's Type	Fig.	*W.	Response cps	Disper-sion	L x Dia. Inches	EACH
4 X	IB-A8	D	25	350-13,000	90°	†9x10¼	21.90
9	MIL-A8	D	7½	350-13,000	120°	†6⅞x6⅞	17.85
8 X	LIL-8	E	15	300-10,000	110°	15½x6⅞	26.85
5 X	CIB-A8	F	25	250-13,000	120x60°	†7⅜x14	27.60
2	CMIL-A8	F	7½	250-13,000	120x60°	†6¼x9½x8½	20.25
0 X	2WP/ID20	G	20	350-6500	120°	20½x8½	35.85
6 X	MLC	H	15	150-15,000	120°	10½	37.50
6 X	IBR-A8	J	25	300-10,000	360°	10¼	29.85

Electro-Voice Fiber-Polyester Weatherproof Projectors and Speakers

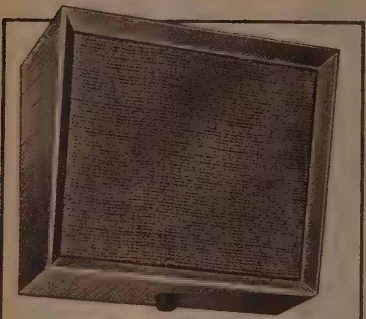


Virtually indestructible. Fiber-polyester horns won't dent, finish can't wear off, and they never need painting. Rugged units are absolutely weatherproof. **Type PA-30 and Type PA-7** are highly recommended for use in paging applications. **Type 847 CDP and Type 848 CDP** utilize the Compound Diffraction Principle of operation to achieve higher articulation without resorting to a "peaked" frequency response. This makes them excellent for theaters, and other P.A. uses where music must be reproduced with maximum fidelity. Even operate under water.

All speakers have 120° dispersion angle, and universal swivel mounting brackets. Type PA-7 and Type PA-30 are attractively finished in Mesa Tan, others are finished in functional battleship gray. Colors are molded-in all the way through—if nicked or scratched, all you do is sand the surface smooth. All speakers have impedances of 16 ohms, except Type PA-30, 8 ohms. *Watts.

Stock No.	Mfr's Type	Fig.	Response cps	*W.	Size In.	Wt. Lbs.	EACH
57 U 600 X	PA30	K	250-14,000	30	11x6½x8½	4½	20.29
57 U 819 X	PA7	L	400-13,000	7½	6¾x6	3¼	15.88
57 U 542 X	847CDP	M	250-10,000	25	11¾x7¾x10⁷⁄₃₂	10	29.99
57 U 540 U	848CDP	N	150-10,000	30	11¾x7¾x10⁷⁄₃₂	16¾	48.51

utah Speaker-Baffles and P.A. Accessories



Tapered 8″ Speaker-Baffle

As Low As $13.95 **Built-In Volume Control**

Tastefully styled and completely wired. 8″ speaker has unusually smooth bass response, and 10-watt power capacity. L-pad volume control allows you to adjust volume at speaker rather than at amplifier. 8-ohms. 9½x12x6″. Wood baffle in walnut, blonde or mahogany—specify. 5½ lbs.
57 U 552 CMX. **13.95**

70.7-VOLT SPEAKER-BAFFLE. Above, with 70.7-v. transformer tapped at 10, 5, 2½, 1¼, and .62 watts. 6¼ lbs.
57 U 553 CMX. Specify Finish. . . . **15.95**

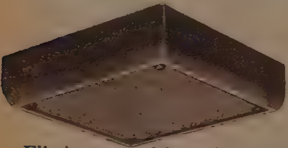
SPEAKER ALONE. With wired L-pad volume control on 18″ cable. 8 ohms.
57 U 570. Wt., 3 lbs. **6.65**

70.7-VOLT SPEAKER. Above, for 70.7 v.
57 U 571. 4 lbs. **8.65**

New "Stellar" 8″ Speaker-Baffle

Tapered baffle with 8″ speaker. Attractive walnut or blonde grained fabric cover. Recessed front. 8-watt capacity. 8 ohms. Screw terminals. Hardware. 9x12x4″. **Specify finish.**

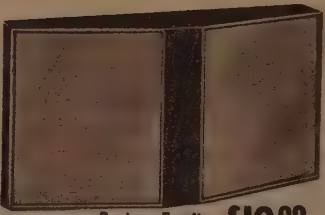
57 U 562 CMX. TS8C. Speaker-Baffle. 3 lbs. **9.11**
57 U 565 CMX. TS8B. With volume control. 3½ lbs. **11.17**
57 U 580 CMX. TS8D. With 70.7-volt transformer tapped at 5, 2½, 1¼, .62, and .31 watts. 4 lbs. **11.52**
57 U 581 CMX. TS8A. With volume control, 70.7-v. transformer tapped at 5, 2½, 1¼, and .31 watts. 4 lbs. **13.91**



Ceiling 8″ Speaker-Baffle

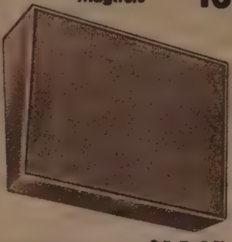
Barium Ferrite Magnet **$9.95**

Eliminates need for ceiling cutouts. Only 2½″ deep, yet includes an 8″ speaker for good response and top performance. Mounts to ceiling surfaces ⅜″ to ¾″ thick with supplied hardware. Combination of barium ferrite magnet and extremely shallow basket for very thin profile. High-efficiency unit makes modest demands on amplifier. 6-watt capacity. 8 ohms. Beige color. 12½x12½x2½″. Shpg. wt., 3¾ lbs.
57 U 844 MX **9.95**



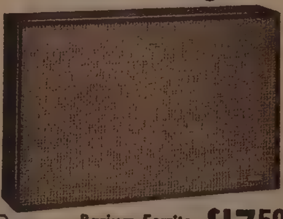
A

Barium Ferrite Magnets **$19.90**



B

Barium Ferrite Magnet **$10.95**



C

Barium Ferrite Magnet **$17.59**

8″ SPEAKER-BAFFL

A Wide-Angle TP-88 Ba
With Two 8″ Speaker

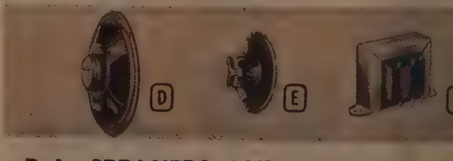
Get 180° sound dispersion fr
angled 8″ speakers. For more
per watt and smooth bass, sp
boast extra-efficient barium
magnets. Baffle only 4″ de
center, tapers to 2″ at outside
⅜″ plywood. Capacity: 15
8 ohms. Screw terminals. Wit
hardware. 10x20x4″. Waln
blonde—specify. 6½ lbs.
57 U 841 CMX. *$5 Monthly*. .

B Extra-Thin TP-8B
Baffle With 8″ Speake

Streamlined, thin-silhouett
pered wood baffle is only 4″
Features a remarkable 8″ "sh
speaker that gives more sou
watt. L-pad controls volume w
changing settings at amplifie
pacity: 6 watts. Impedance: 8
Screw terminals. With hardw
12x4″. Walnut or blonde—
Shpg. wt., 4¼ lbs.
57 U 842 CMX. . . . .

C Ultra-Thin PT-2B Baf
With 8″ Speaker, Twee

Only 3″ deep—nearly as thi
picture! Boasts 8″ woofer
barium ferrite magnet for goo
and 3x5″ tweeter for highs.
wide tonal range in minimum
Has volume control. Electrical
over network. Capacity: 8
Impedance: 8 ohms. Screw
nals. With hardware. 12x18x3″
nut wood-grain finish.
70 U 066 MX. 9 lbs. . . . .



P.A. SPEAKERS AND TRANSFORM

D Super-Thin Speakers With Ceramic Ma

Space-saving, round speakers. Number in Mfr's Ty
dicates speaker dia. Suffix "W", dual cones. 8 ohm

Stock No.	Mfr's Type	Watts	Mag. Oz.	Depth In.	Wt., Lbs.	EAC 1-2	3-5
57 U 907 M	PA8ECS	8	3.0	1⅞	½	4.92	4.65
57 U 908 M	PA8FC	10	4.8	2¾	¾	4.98	4.73
57 U 909 M	PA8FC-W	10	4.8	2¾	¾	5.28	5.02
57 U 913 M	PA8JC-W	15	10.0	3	2¼	7.35	6.96
57 U 914 MX	PA12JC	18	10.0	4 7/16	4½	8.70	8.26

E Thin Speakers With Alnico V Magne

Thin-design, round for P.A. use. Number in Mfr's
indicates speaker diameter. Impedance, 8 ohms.

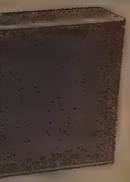
57 U 916 M	PA8J	15	6.8	4 1/16	3	6.76	6.38
57 U 917 MX	PA12J	18	6.8	5 7/16	5	8.53	8.10

F Low-Cost Line-To-Voice-Coil Transform

57 U 820 and 57 U 821 are 70.7 v.; 57 U 822 and 57
are 25 v. Secondaries: 4, 8, 16 ohms. 1 lb.

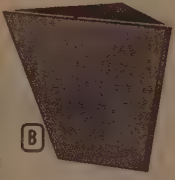
Stock No.	Watt Taps	Core Size	1-11, EA.	12-Up
57 U 820	5, 2.5, 1.25, .62, .31	½x⅝″	1.59	1.4
57 U 821	10, 5, 2.5, 1.25, .62	⅝x⅝″	1.69	1.5
57 U 822	5, 2.5, 1.25, .62, .31	⅝x⅝″	1.59	1.4
57 U 823	10, 5, 2.5, 1.25, .62	⅞x⅞″	2.24	2.0

Baffles and Speaker-Baffles by Argos



s Low As

$5.56



As Low As

$7.90

As Low As

$2.78

A "Professional" Wall-Mounting Baffle

8C. For 8″ speaker. Rectangular shape and trim tured look. Ideal where extra air volume and larger apnce are needed. Gives almost twice the internal space ne for far better tone. "Speedy Mounting" clips for hanging. Wood-grained vinyl cover with plastic grille. lnut or blonde—**specify.** 16½x14x6¼″. 6 lbs.

882 CMX. 6-Up........Each 5.56 1-5........Each 5.88

Slanting-Front Corner-Mounting Baffles

-In" front goes on or off in seconds. Entire cabinet ts easily on wall with "Speedy Mounting" clips. Screw nals. Acoustic padding. Bass-reflex design enhances ". Wood-grained vinyl covering. Cane grille. Walnut or e—**specify choice.**

ck No.	Model	Size	For	Lbs.	1-5, EA.	6-Up, EA.
10 CMX	SCB-8D	15x17¾x9″	8″	5¼	8.33	7.90
11 CMU	SCB-12D	20x20¾x10½″	12″	7¾	11.71	11.08

C Birch Wall-Mounting Baffles

sharp anywhere. Crafted of genuine birch. Durable, o-clean cane grille. Hardware and mounting clips in-d. Walnut or blonde—**specify choice.**

k No.	Model	Size	For	Lbs.	1-5, EA.	6-Up, EA.
23 CMX	DWB-8A	10½x9¾x6½″	8″	3¼	5.88	5.60
24 CMX	DWB-12A	14x13⅝x9⅛″	12″	5	8.23	7.80

C Low-Cost Wall-Mounting Baffles

-covered baffles with cane grilles. Sculptured look. ware included. Walnut or blonde—**specify choice.**

k No.	Model	Size	For	Lbs.	1-5, EA.	6-Up, EA.
90 C	WB-4/5D	6⅛x6¼x4″	4-5″	1½	2.94	2.78
92 C	WB-6D	8½x7⅞x5″	6″	2	3.58	3.38
91 C	WB-8D	10½x9¾x6½″	8″	3	4.26	4.03
26 CX	WB-12D	14x13⅝x9″	12″	5	5.88	5.56

"Thinline" Speaker-Baffle Combinations

Featuring JENSEN Speakers

As Low As $6.93

Available with Volume Control and/or Transformer

- Jensen Profile Speakers for Wide Response, Clear Tone
- Tapered and Extra-Thin, No Sacrifice in Performance
- All Components Installed and Wired for Convenience
- "Speedy Mounting" Clips Install Quickly, Hold Fast
- Wood-Grain Vinyl Cover Looks Like Wood from 4 Feet

Modern-looking, space-saving baffles with powerful 8″ or 12″ speaker by world-famous Jensen. Baffles are thin and wide with clean, sculptured appearance. Wood-grained vinyl covering makes cleaning easy, provides lasting beauty, gives greater cabinet strength. Can be painted to match decor.

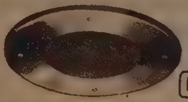
Speakers have screw terminals for quickest hookup to sound source. Series 208 has 8″ speaker with 6-oz. ceramic magnet; 15-watt capacity. Series 212 has 12″ speaker with 10-oz. ceramic magnet; 18-watt capacity. Model 108 has 8″ speaker with 1-oz. Alnico V magnet and 6-watt capacity—ideal for background music or where high sound level is not necessary.

All have matching cane grille. Letter "L" in model number indicates L-pad volume control; "T" indicates 70.7-volt transformer for constant-voltage distribution systems. Walnut or blonde finish—**specify.**

Stock No.	Model WB-	Baffle Size	Wt., Lbs.	EACH	
				1-5	6-Up
57 U 883 CMX	108CS	9½x12x4¼″	4	7.30	6.93
57 U 884 CMX	208CS	9½x12x4¼″	5	10.54	9.98
57 U 885 CMX	208CSL	9½x12x4¼″	5	12.59	11.97
57 U 886 CMX	208CSLT	9½x12x4¼″	5¼	14.99	14.24
57 U 887 CMX	212CS	13¾x16x6¼″	7¼	15.09	14.32
57 U 888 CMX	212CSL	13¾x16x6¼″	8¾	17.25	16.39
57 U 889 CMX	212CSLT	13¾x16x6¼″	9	19.65	18.67

BAFFLES, ENCLOSURES, FOR 8″ SPEAKERS

soundolier



8 LOUVERED BAFFLE. Flush unt. Recessed louvers. Welded num. Fits 10¼″ hole. 12″ dia. -8 enclosure. 2 lbs.

46 X. 5-Up Ea. 3.98 1-4 Ea. 4.53

TRIM RING BAFFLE. Flush unt. Simulated stainless; 20-ga. Fits 8½″ hole. 12¾″ dia. Use nclosure. 1¾ lbs.

48 X. 5-Up Ea. 2.59 1-4 Ea. 2.95

SPEAKER-BAFFLE. (Not illus.) baffle, 8″ speaker, 70-v. trans- (0.5/1/2W taps). 4 lbs.

00 X. 5-Up Ea. 8.56 1-4 Ea. 9.94

F 68-8 LOW-CEILING BAFFLE. Satin-brushed-aluminum. Maximum dispersion. Fits 8½″ hole. 12¾″ dia. Use 95-8 enclosure. 1¼ lbs.

57 U 547 X. 5-Up Ea. 6.07 1-4 Ea. 6.93

G 169-8 TRIM SQUARE BAFFLE. (Illus. with 193-8 enclosure). 24-ga. steel; white. Fits 9⅝″ hole. 10½″ square. 1 lb.

57 U 554 X. 5-Up Ea. 2.08 1-4 Ea. 2.37

G 193-8 ENCLOSURE. (Illus. with 169-8 baffle.) Welded 20-ga. steel. 3¾x 9⅝″ sq. 1¾ lbs.

57 U 555. 5-Up Ea. 3.47 1-4 Ea. 3.96

H 51-8 TRIM RING BAFFLES. Flush mount. White 24-ga. steel may be painted. Fit 8½″ hole. 12¾″ dia. Use 95-8 enclosure. 6¼ lbs.

57 U 502 X....Package of 5 for 7.95

B51-8 SPEAKER-BAFFLE. (Not illus.) Includes above 51-8 baffle, 8″ speaker, 70-v. transformer with 0.5/1/2-watt taps. 3½ lbs.

57 U 522 X. 5-Up Ea. 8.05 1-4 Ea. 9.18

95-8 ROUND ENCLOSURE. (Not illus.) 20-ga. steel. Jute lining cuts resonance. 4¼x9⅞″ dia. 3 lbs.

57 U 550 X. 5-Up Ea. 4.26 1-4 Ea. 4.86

NuTone

Custom Home Radio-Intercoms

Built-In, Wall-Mounting Radio-Intercom Systems for Your Convenience and Pleasure

Now bring the extra convenience, safety and enjoyment of step-saving intercom plus full-fidelity music to your home. Easy to install, too.

FM AM $\$101^{33}$ **$6 monthly**

New Model 2067 FM-AM Master Station With 10-Remote Provision

Enjoy convenient Master-to-Remote and Remote-originated intercommunications, plus FM and AM radio throughout your home. Master can "page" up to 10 Remotes individually or simultaneously. Also features: talk/listen switch for door answering; function switch (including AFC for drift-free FM reception); volume and tone controls; 7x5" speaker with ceramic magnet; phono jack; local/distant FM station switch. 10 transistors, 9 diodes. 10⅝x17¼x1¾"—extends 1⅝" from wall. Egg-shell white and silver anodized. With rough-in box and hardware. For 110-120 v., 60 cycle AC. 19½ lbs.

58 U 188 X. *$6 Monthly*........................**101.33**
58 U 189 X. Model 2068. Above, but copper finish. . **101.33**

Remote Stations and Intercom Cabl

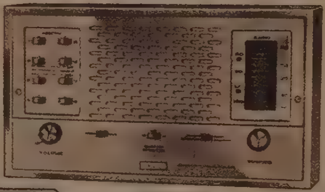
A **2021 HI-FI INDOOR REMOTE.** 8" speaker; "Break- detachable control panel; volume and talk/liste trols. 12x12x2⅞". Desert Sand finish. 8½ lbs.
58 U 192 X.........................
58 U 042 X. 2411A Rough-In Frame. 1¾ lbs..........

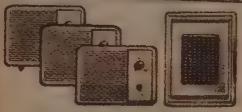
B **2027 INDOOR REMOTE.** 5" speaker; volume, talk controls. Size, 6⅜x8⅝". Desert sand. With ro frame. Shpg. wt., 1½ lbs.
58 U 172.........................

C **412 DOOR REMOTE.** 3" speaker; talk/listen Weatherproof. Size, 3¾x4⅝". Gold. With ro frame. Shpg. wt., 1½ lbs.
58 U 193.........................

3-CONDUCTOR CABLE (Not illus.). For NuTone inte
58 U 039. 200-ft. Roll. Shpg. wt., 2¾ lbs..........
58 U 040 X. 1000-ft. Roll. Shpg. wt., 13 lbs..........

Model 2031 Complete 5-Station AM Radio-Intercom System





Complete $\$64^{76}$ **$5 monthly**

Ready-to-use, 5-station intercom and music distribution system "broadcasts" AM radio programs to any room desired. All Remotes can converse with each other and originate calls.

Indoor stations have volume controls and privacy switch. Master has selector switch for 8 Remotes (use only Model 2027, above) and phono jack.

Includes: Model 2054 Master; 3 Model 2027 Indoor Remotes; 1 Model 2006 Door Remote; 200-ft. 3-cond. cable; antenna wire, rough-in frames. 7⅜x14¾x1¾"—extends 1⅝" from wall. For 110-120 v., 50-60 cycle AC. Shpg. wt., 24 lbs.

58 U 038 U. *$5 Monthly*......**64.76**

All-Transist Model 2561 M Intercom Stat With FM-AM R

FM AM $\$123$ **$7 month**

Offers room-to-room intercom with FM-AM radio (FM has AFC door-answering from any station. Turn music off at any Remot still send and receive calls. Radio mutes automatically when inter used. Takes up to 16 Remotes (below). 6x9" speaker. With an rough-in frame, hdwe. 16½x8½" walnut-tone frame (projects 2" fron silver finish panel. For 110-120 v., 60 cycle AC. 14¼ lbs.

58 U 180 X. *$7 Monthly*........................**1**
58 U 181 X. Model 2562. Above, but copper finish..........

Remote Stations and Intercom Cable

D **2572 HI-FI INDOOR REMOTE.** 8" speaker; "Break-Away" detachable control panel; volume, function controls; 2 talk/listen levers; rough-in frame. 12x12". Desert sand. 5¼ lbs.
58 U 184 X.........................**16.50**

E **2571 DOOR REMOTE.** Controlled by indoor remotes. Weatherproof. 6¼x4⅝". Black and gold. With rough-in frame. Shpg. wt., 1½ lbs.
58 U 183.........................**7.67**

F **2570 INDOOR REMOTE.** 5" speaker; volume, function controls; 2 talk/listen levers. 6½x9⅛". With rough-in frame. Wt., 3½ lbs.
58 U 182 X.........................**10.51**

8-CONDUCTOR CABLE. For 2561 and Remotes.
58 U 083. 50-ft. Roll. Wt., 2½ lbs..............**3.97**
58 U 185. 250-ft. Roll. Wt., 8 lbs..............**11.67**

Use Your Allied Credit Fund to Install an Intercom System in Your H

Transistorized Intercoms and Phone Systems BOGEN

TSL Series
TQ Series
TIA-6 Remote
TIA-6 Master
TEM
TRA or TRC
PA SYSTEM
MUSIC SOURCE
TRA or TRC
dapter for
Paging

Series TSL Multi-Channel Bogen-Phones

o 8 simultaneous conversations possible with 16 phones in conference set-up, too. Lift phone to call, press tor button, press ring button. Buzzer sounds at called on. Use cable with at least 3 conductors more than ber of phones. PRS-16 Power Supply needed for each m. 3½x9½x3¾". Wt., 4½ lbs.

260. TSL-8 8-Station Master **34.25**

261. TSL-16 16-Station Master **39.95**

263. PRS-16 Power Supply. 6x2x3¼". Use 3-conductor . For 110-120 v., 50-60 cycle AC. 8 lbs. **36.60**

114. TRC Phone-Page Adapter. For Series TSL Phones. to system as another phone. 2x4x4". 2 lbs. **31.65**

eries TQ Common-Talk Phone Systems

tive ringing; conference calls. Use cable with at least nductors more than number of phones. Requires -A Power Supply, below. 9½x3¼x3¼". 3 lbs.

264. TQ6-A Phone. For up to 7 stations **22.00**

265. TQ12-A Phone. For up to 13 stations **27.10**

266. PRS1-A Power Supply. 4x6x1⅝" Use 3-conductor . For 110-120 v., 50-60 cycle AC. 6 lbs. **23.65**

267. TRA Phone-Page Adapter. For Series TQ Phones. TRC, above. Control for page/music level **31.65**

Cable for Above Phone Systems

of d.	Lbs. per 100 Ft.	100-Ft. Spool		500-Ft. Spool	
		Stock No.	EACH	Stock No.	EACH
	2	49 U 458	2.48	49 U 459	9.95
	4	49 U 860	5.41	47 U 243X	24.80
	5½	47 U 260	7.75	47 U 995X	38.00
	8	47 U 488	14.65	48 U 489X	64.50
	11½	48 U 405	22.50	48 U 406X	101.25

Versatile All-Transistor Intercom Systems

ALL-MASTER SYSTEM. Up to 6 TIA-6, or up to 12 TIA-12 Masters. Any Master can call any other; in TIA-6 system, can call all at once. Each, 3x8½x6". Less cable. Use cable with one more conductor than no. of stations. For 117 v. AC.

MASTER-REMOTE SYSTEM. Consists of TIA-6 Master and up to 5 RIA-1 Remotes; or TIA-12 Master and up to 11 Remotes. Master can call any Remote and, in TIA-6 system, all at once. Remotes can be non-private (controlled by jumper); can call Master. Remotes, 3x8½x6". Less cable. Use 3-conductor cable between Master and each Remote.

INTERMIX SYSTEM. TIM-12 Masters are for systems with total of 12 stations in any combination with RIA-1 or RIM-6 Remotes. RIM-6 Remote calls any one of 6 TIM-12 Masters; RIA -1 Remote calls only 1 Master. Less cable. Between Masters use at least 1 more unshielded cond. than total no. of Masters; between Master & Private Remote use 1 unshielded pair cable & 1 shielded single-cond. wire; between Master & non-private Remotes use single shielded conductor.

58 U 019. TIA-6 6-Station Master. Wt., 7 lbs. **35.65**

58 U 020. TIA-12 12-Station Master. Wt., 7 lbs. **39.75**

58 U 021. RIA-1 Remote. Initiates calls to 1 Master; can be called by any Master. Wt., 6 lbs. **10.85**

58 U 022. TIM-12 12-Station Intermix Master. 7 lbs. **47.95**

58 U 023. RIM-6 6-Station Remote. Can initiate calls to any of 6 Masters. Shpg. wt., 6 lbs. **23.90**

Cable For Above Intercoms (100-Ft. Spools)

49 U 458. 3-Conductor Unshielded. 2 lbs.	Each **2.50**
47 U 529. 7-Conductor Unshielded. 4½ lbs.	Each **6.70**
48 U 488. 15-Conductor Unshielded. 8 lbs.	Each **14.65**
48 U 685. 3-Cond. (1 shld., 1 pr. unshld.) 2 lb.	Ea. **4.05**
49 U 422. 1-Cond. Shielded. For intermix only. 1 lb.	Ea. **3.54**

Talk-A-Phone Deluxe Intercoms

s you the convenience of complete intercommunication, as well as the ment of built-in AM radio throughout your home. Fully transistorized pendable, low-cost operation. Central Master and Staffs flush-mount l . . or with HI-SM Housing Assembly (T-SM-L for HI-4) mount ll or cabinet . . or can be placed on table. Each system requires a al Master, Staffs or Subs in any combination, and either one HI-PS ower Supply or 4F6H 9-volt battery. Both Central Master and Staffs e 8 stations, can call and converse with any other station(s), have nes for "private" or "non-private" use. Outdoor Subs, always "non-e," can be called by and answer any Central Master or Staff. All al Masters and Staffs have their own volume control. HI-9R, HI-9 HI-8 panels measure 15¼x5¼". Required wall opening, 4⅜x14$\frac{1}{16}$x HWD. With plaster rings; less cable, at right.

000 X. (Fig. A) HI-9R Central Master and AM Radio. 6¼ lbs. **89.50**

078 X. (Fig B) HI-9 Central Master less Radio. 5¾ lbs. **58.00**

080 X. (Fig. B) HI-8 Staff Station. Wt., 4¼ lbs. **31.50**

135. (Fig. C) HI-4 Wall-Mount Staff. Mounts in 6½x4½x2" wall open- Calls or talks to any 3 stations. 7$\frac{3}{16}$x4$\frac{13}{16}$". 3¾ lbs. **17.50**

127. (Fig. D) HI-1 Outdoor Sub. Has illuminated name-plate, pushbutton. ts in 2x2x2" wall opening. Size, 5⅝x3⅝". 1½ lbs. **15.95**

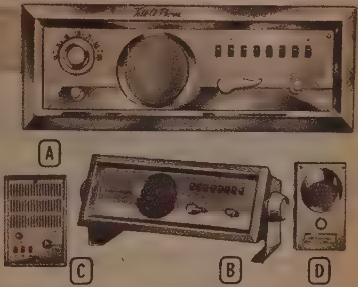
136. T-SM-L Surface Mount. For HI-4 Staff, above. 2½ lbs. **4.60**

130. HI-SM Housing Assembly. Permits HI-9, HI-9R or HI-8 units to be d on table, mounted on wall or cabinet. 6x15½x4". 2½ lbs. **11.00**

131. HI-JB8 8-Station Junction Box. 1¾x8¾x8". 1 lb. **4.00**

132. HI-PS AC Power Supply. One required per system. Or, use battery, for power supply. AC supply uses less power than an electric clock. ". For 110-120 v., 50-60 cycle AC. 5 lbs. **15.95**

021. 4F6H 9-volt Battery. 8½x4½x5⅞". Shpg. wt., 9 lbs. **5.53**



8-Station Central Master and Staff Units: use 6226 cable. Measure from 1st to 2nd unit, 2nd to 3rd, and total. Or use junction box and measure from each station to box. **4-Station Staffs:** connect to nearest 8-station staff with 6214 cable. **Subs:** connect to nearest Staff or Master with 6202 cable. **Battery or Power Supply:** connect to Master with 6202 cable.

Mfr's Type	No. of Cond.	Lbs. per 100 Ft.	50' Coil		100' Coil	
			Stock No.	EACH	Stock No.	EACH
6226	26	12	48 U 480	15.80	48 U 481 X	29.15
6202	2	4	48 U 483	2.13	48 U 484	3.88
6214	7 Pr.	7	48 U 027	8.10	48 U 075	14.95

Deluxe Talk-A-Phone Intercom System

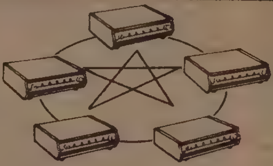
WIRED AND WIRELESS ALL-MASTER OR MASTER AND SUB-STATION SYSTEMS

A T-LS-10 10-Station Master

TALK A PHONE

A ALL-MASTER SYSTEMS

Consist of up to ten Master Stations. Each can call any other, or any number of Masters. Calls can be private, non-private, or conference.



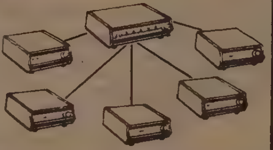
B T-LR-3 Sub-Station

B T-LR-3R Built-In-Wall Sub

TALK A PHONE

B MASTER-SUB SYSTEMS

Consist of one T-LM Master and up to 10 Sub-Stations that can call the Master only. Master can call any number of Subs, and is always private. Subs can be private or non-private.



A Super-Selective Intercom Systen

Consist entirely of Master Stations. Each can
nate a call to any other, and separate convers
can be handled simultaneously, and conferenc
set up. When in operation, indicator light flash
Press-to-talk bar and volume control. Steel cas
ished in leather-textured gray vinyl and cl
Less cable, below. 3⅛x10½x8¾". U.L. Liste
110-120 v., 50-60 cycle AC or DC.

MODEL T-LS-5. For up to 5 Stations. 10 lbs.
58 U 054 X. *$5 Monthly*.................**Each 3**

MODEL T-LS-10. For up to 10 stations. 6¼ lbs.
58 U 055 X. *$5 Monthly*.................**Each**

CABLE. For T-LS-5, use Type 5506, 6-conductor
For T-LS-10, use Type 9911, 11-conductor
Available only as specified. 8 lbs. per 100 ft.

Mfr's Type	50' Spool		100' Spool		200' Sp
	Stock No.	EACH	Stock No.	EACH	Stock No.
5506	48 U 063	4.44	48 U 067	8.16	48 U 068
9911	48 U 064	8.10	48 U 073X	14.59	48 U 074X

B Master-Selective Intercom Syster

Consist of one Master and up to 10 Sub-St
Master can call one, several, or all Subs simulta
ly. Subs can call Master, but not each other. N
is always private, while Subs can be private o
private. When non-private, Sub operater car
from a distance. Only Master requires AC
Master has press-to-talk switch and volume c
Gray, chrome, except T-LR-3M grained baked e
Subs, 3⅛x7½x8¾"; Master, 3⅛x10½x8¾".
Listed. Less cable. 110-120 v., 50-60 cycle AC.

T-LM-5 MASTER. For up to 5 Subs. 6¼ lbs.
58 U 058 X.................**Each 3**

T-LM-10 MASTER. For up to 10 Subs. 10 lbs.
58 U 059 X.................**Each**

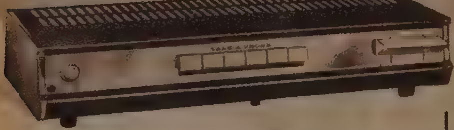
T-LR-3 SUB-STATION. Stainless-steel front. 4 lbs
58 U 052 X.................**Each**

58 U 138. T-LR-3R Substation. Above, but for flus
mtg. 4$\frac{3}{16}$x7$\frac{3}{16}$". Wall opening, 4⅛x6½x2" dp.
.................**Ea.**

58 U 062. T-LR-3M Sub-Station. 4 lbs.........**Each**

CABLE. 3-conductor. Type 6303 is shielded
Available only as specified. 8 lbs. per 100 ft.

Mfr's Type	50' Spool		100' Spool		200' Sp
	Stock No.	EACH	Stock No.	EACH	Stock No.
5303	48 U 061	1.79	48 U 059	3.26	48 U 060
6303	48 U 062	2.38	48 U 065	4.34	48 U 066



Wireless T-LCM All-Master Systems

- "Sonic-Gate" Screens Out Hum and Line Noise
- No Wiring, Each Unit Plugs into Any AC Outlet
- Separate Conversations and Conference Calls

Just plug each Master Station into any outlet, on the same power company line-transformer, and talk. Masters can call each other selectively, or arrange conferences. 6-station system allows up to 3 separate conversations simultaneously; 12-station, up to 6. Indicator light goes on when Master operates. 3⅛x14x8¾". U.L. Listed. For 110-120 v., 50-60 cycle AC.

T-LCM 8906 MASTER. Up to 6 stations.
58 U 043 X. 13 lbs.................**Each 79.50**

T-LCM 8912 MASTER. Up to 12 stations.
58 U 050 X. 8½ lbs. ....**Each 89.80**

T-LC-33 Wireless System

$79⁹⁰ **You Can Add More Stations Any Time**

$5 monthly

Plug each station into an outlet, and you're "on the air." "Sonic-Gate" screens out noise. "Uni-Trans" switch for monitoring. Each, 3⅛x10½x3¾". For 110-120 v., 60 cycle AC-DC. Sh. wt., 12½ lbs.

58 U 056 X.................**79.90**

58 U 057 X. Extra Station for T-LC-33 System. 6½ lbs.....**39.95**

T-LC-2 Low-Cost Sy

$36⁰⁰ **Master and Su Originate C**

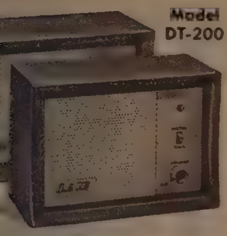
$5 monthly

Sub can be used privat
non-privately. Master plu
to AC outlet; connects t
with 50' of Type 5303
(supplied). For shielded
see Type 6303, above. M
3⅛x10½x8¾". Sub, 3⅛
8¾". For 110-120 v., 60
AC. Wt., 11½ lbs.

58 U 053 X.................**3**

Allied Has an Intercom System to Suit Every N

Low-Cost Intercoms for the Home and Office



ow-Cost RMS System

19^{95} **Both Master and Sub-Station Can Originate Calls**

monthly

p fast by plugging Master into
tlet, connecting it to Sub with
(50′ supplied). Each station
ress-to-talk switch, "ready-to-
indicator light. Master has
e control for both. Remote has
uous-talk switch. 4″ speaker.
t wood cabinet. Each, 4¾x8x
r 110-120 v., 50-60 cycle AC.
Japan. 6 lbs.

224 X. *$5 Monthly*.....**19.95**

225 X. Extra Sub. Add any num-
/t., 3½ lbs............**Each 8.95**

Model
WDT-200

RMS Wireless System

$\$42^{50}$ **Talk/Listen Switch Locks for Monitoring or Dictating**

$5 monthly

Easy to set up. Just plug both stations into AC outlets, on the same line transformer, and start talking. Stations have press-to-talk switches with continuous-talk positions. Indicator light goes on when station is operating. Squelch controls. Oiled Walnut wood cases, each 4¾x8x5¼″. For 110-120 v., 50-60 cycle AC. From Japan. Wt., 9 lbs.

58 U 216 X. *$5 Monthly*.....**42.50**

58 U 217 X. Extra Station. Add any number. Wt., 4 lbs.......**Each 21.25**

Fanon-Masco CI8202 Solid-State Wireless System

$\$52^{50}$

$5 monthly

- **No Warm-Up, Stations Operate Instantly**
- **No Wiring to Install**

Two stations use less current than an electric clock! Plug each into AC outlet, on same line transformer, for immediate talking or monitoring between rooms or buildings. 4x6¾x5⅝″, each. For 110-120 v., 50-60 cycle AC. 4¾ lbs.

58 U 031 X. *$5 Monthly*........**52.50**

58 U 102. Extra Station. 3 lbs.......**26.25**

All-Transistor! Wireless!

TELECON
TELECON

2 Stations

$\$29^{90}$

$5 monthly

Our Lowest Cost 2-Station Wireless Intercom System

- **No Wires Running Between Stations**
- **Operates the Moment You Turn It On**

Portable stations link bedroom to kitchen, office to office, or work area. You can even talk between buildings on the same line transformer. No cable necessary, just plug stations into AC outlets. Circuit needs no warm-up. Each has volume control, on-off switch, pilot light, press-to-talk bar, plus lock-bar for continuous transmission (great for baby-minding). Keyhole slots for wall-mounting, if desired. Black, gold-color aluminum trim. Each, 1¾x5¼x6¾″. For 110-120 v., 60 cycle AC. From Japan. 3 lbs.

58 U 029. *$5 Monthly*.......**29.90**

58 U 035. Extra Station. Add any number. Wt., 1½ lbs.....**Each 14.95**

corator "Executive" Series Intercoms by FANON-MASCO

604 Wireless System

62^{95}

5 monthly

- **Noise Limiter**
- **Walnut Cases**
- **Pilot Light**

he 2 stations into AC outlets
lk. Press-to-talk switch with
uous-talk position. Luxurious
walnut cabinets, 5½x9½x6″
For 115 VAC. 10 lbs.

05 X. *$5 Monthly*.....**62.95**

06 X. X-602 Extra Station. Add
mber. 5 lbs.......**Each 32.95**

X-606 Master Station

Master has talk/listen switch, plus volume control and pilot light. Wood cabinet (5½x9½x6″) is finished in genuine oiled walnut veneer. **Private System:** up to 6 Masters that talk to any number, plus conferences. **Non-Private System:** up to 6 Masters. Called station can answer w/o switching. Less cable. For 115 VAC.

58 U 107 X. Master. 5 lbs. **Ea. 29.95**

47 U 529. 7-Cond. Cable for Private System. 4 lbs.........**100-ft. Coil 6.70**

48 U 075. 7 Twisted Pairs for Non-Private System. 4 lbs. **100-ft. Coil 14.95**

X-600 2-Station System

$\$37^{50}$

$5 monthly

- **Both Units Call**
- **Oiled Walnut Cases**
- **With 50′ Cable**

Master has press-to-talk switch, with continuous-talk position, volume control, pilot light. Each, 4¾x9½x5½″. For 115 VAC. 9 lbs.

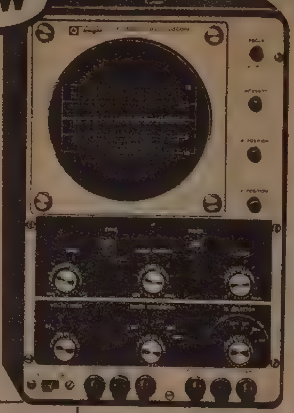
58 U 108 X. *$5 Monthly*.......**37.50**

58 U 109 X. Extra Remote. Add up to 4 more. 4 lbs............**Each 14.95**

n Intercom System Now with Your Allied Credit Fund

knight® Factory Assemb

NEW



$149.95
$8 monthly

Ideal Choice for Both Color TV and Wideband Testing . . . New Compact Size Occupies Far Less Bench Space

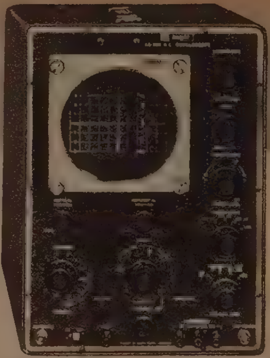
KG-635 5″ DC to 5.2 Mc Scope

Boasts excellent linearity and lock-in characteristics; polystyrene and mylar capacitors for frequency determining circuits; non-inductive metal film-type resistors; automatic astigmatism correction; dynamic sync limiter for trace uniformity. Has voltage calibrator; Z-axis input; 1650-v. accelerating potential; 2 regulated supply voltages. 11⅞x7⅞x15⅞″. Less leads, probes. For 110-130 v., 50-60 cycle AC. 29 lbs.

83 U 531 MUW. *$8 Monthly*... **149.95**
83 U 979 MUW. In Kit Form........ **99.95**
83 U 152 MW. Test Leads. 6 oz....... **1.95**
83 U 150 MW. 12-Mmf Low-Capacity Probe. Minimizes loading. ½ lb.... **4.75**
83 U 151 MW. 250-Mc RF Demodulator Probe. For RF TV work. ½ lb.... **4.75**

KG-635 SPECIFICATIONS

Vert. Sensitivity: 17 mv rms/inch; calibrated at .05 v. p-p/inch. **Response:** ±1.5 db, DC to 5.2 mc. **Color Bandpass:** ±0.5 db. **Overshoot:** below 6%. **Rise Time:** 70 nsec. **Horiz. Sensitivity:** .6 v. rms/inch. **Response:** ±1.5 db, 1 cps to 400 kc. **Expansion:** 2 times. **Linear Time Base Ranges:** (5) 10-100 cps; 100-1000 cps; 1 kc-10 kc; 10 kc-90 kc; 90 kc-400 kc. **Sync:** + and − internal, 60 cps, external. **Limiting:** semi-automatic with level control. Locks in up to 5 mc on fundamentals.



$299.95 **KG-2000 5″ DC to 5 Mc Lab Scope**
$15 monthly

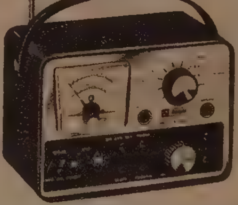
Research quality—DC-coupled amplifiers. 16 sweep ranges: 200 nsec/cm down to .1 sec/cm; preset lock-in or adjustable triggering at selected waveform points. X5 horiz. expansion. Sweep timing capability within 3%. 85 nsec rise time. DC (.05 v. p-p/cm sensitivity) or AC (.005 v. p-p/cm) coupled input. 14¼x10⅛x15½″. For 110-130 v., 50-60 cycle AC. 39 lbs.

83 U 575 MZW. *$15 Mo.* **299.95**
83 U 910 MUW. In Kit Form. **199.50**
83 U 949 MW. Low-Cap Probe **20.00**

$99.95 **KG-630 5″ Lo**
Cost Wideband
$5 monthly

For color, black-and-white T
general use. Vert. sensitivity:
rms/inch. Response: ±3 db,
to 5 mc; down 1 db at 3.58 m
burst freq.; locks in to 9 mc
sensitivity: 600 mv rms/inch
sponse: down 3 db at 600 kc;
4 db at 1 mc. Z-axis input.
10⅛x15½″. With leads. Acc
probes under KG-635, far lef
110-130 v., 60 cycle AC. W
lbs.

83 U 577 MUW. *$5 Monthly*..
83 U 913 MUW. In Kit Form...



Portable and Transistorized

Battery Powered

$39.95 **"Ten 2" Citizens Band Tester**
$5 monthly

Measures (10% accuracy): relative standing wave ratio of antennas and feed lines; % of either positive or negative modulation; RF power output (built-in dummy load); relative field strength; relative crystal activity. **Uses:** signal monitor; crystal-controlled RF generator; audio generator; code oscillator. 5⅜x7⅝x4¼″. 6 lbs.

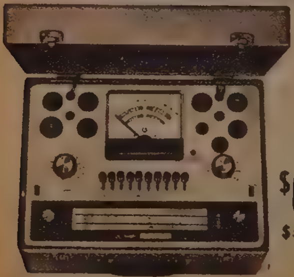
83 U 561 MW. *$5 Monthly* **39.95**
83 U 823 MW. In Kit Form.... **25.95**

Two DC Ranges: 0-8, 0-15 Volts

$44.95 **KG-660 Batt**
Eliminator/Ch
$5 monthly

Well-filtered source of 6 an
volts DC for transistor, hybri
vacuum tube types of mobile
Output continuously variable,
15 v. High current capacity, 15
@ 6 v. and 7½ amps @ 12 v. f
charging storage batteries. 2 m
automatic thermal cutout; fuse
mary. 9x12x5″. For 110-130 v
cycle AC. 13 lbs.

83 U 573 MXW. *$5 Monthly*.. 4
83 U 912 MXW. In Kit Form....



Checks Over 2300 Tubes

$64.95
$5 monthly

KG-600B Portable Tube Tester—Our Finest Emission-Typ

Checks nuvistors, compactrons, novars; 4, 5, 6, 7-pin large; 7, 9, 10-pin miniature; octals, loctals, pilot lamps. Cathode emission, continuity, short, open and gas tests. 4½″, 3-color meter; neon indicator. 16 filament voltages, .63 to 117 v. Line adjust, illuminated roll chart. Gray wood case, 6½x
14½x10½″. For 110-130 v., 60
AC. Wt., 13 lbs.

83 U 578 MXW. *$5 Monthly*.. 6
83 U 920 MXW. In Kit Form....

83 U 141 MW. TV Picture Tube
ness. For 90° tubes. 8 oz........
83 U 271 MW. 110° Adapters. S
two for above. 3 oz............

See Knight-Kit Section for Complete Specifications and De

st Equipment at Lowest Cost

8.95 onthly

Accurate AC-Operated Bridge Method of Measurement

Model KG-670
stor Capacitor Checker

ares resistance and capacity;
 opens and shorts in capaci-
indicates power factor of
olytics. Easy-to-read dial
agic-eye null indicator show
 and condition. 2 resistance
: 100 to 50K ohms; 10K ohms
negohms. 4 capacity ranges:
(d) .00001 to .005; .001 to
1 to 50; 20 to 1000. 5 leakage
anges: (volts DC) 50, 150,
350, 450. 10% accuracy.
former-operated half-wave
supply. 7¼x10⅛x5¼". With
For 110-130 v., 60 cycle AC.
 lbs.
80 MW. *$5 Monthly*. **28.95**
01 MW. In Kit Form. . . . 22.95

95 nthly

Model G-30
Grip-Dip Meter

lapping ranges cover 1.5 to
egacycles. Calibrated dial
novable hairline cursor for
cy. Ranges color-coded to
 individual coils. Quick-re-
ng, undamped meter. Use
 signal generator; absorption
eter; oscillator; modulation
or; regenerative detector.
¼x1⅝". For 110-130 v., 50-
le AC. 2 lbs.
64 MW. *$5 Monthly*. **29.95**
21 MW. In Kit Form. . . . 19.95

$39.95
$5 monthly

KG-620 Low-Cost 4½" VTVM

4½", 2-color scale; 11-megohm DC input for negligible loading; 1% multiplier resistors; 1.5 v. DC range; DC polarity reversing switch; zero-center scale for discriminator alignment. AC rms and DC Ranges: 0-1.5-5-15-50-150-500-1500 v. AC p-p: 0-4.2-14-42-140-420-1400-4200 v. Ohms: 0-1K-10K-100K; 0-1-10-100-1000 megohms. db: −10 to +65 in 7 ranges. Response: ±1 db, 30 cps to 3 mc; ±3 db, 30 cps to 5 mc. 7⅝x5⅜x4¼". 3 test leads, battery. Accessory probes at right. For 110-130 v., 60 cycle AC. 7 lbs.

83 U 576 MW. *$5 Monthly*. . **39.95**
83 U 911 MW. In Kit Form. 24.95

$23.95
$5 monthly

Model P-2
SWR Power Meter

Measures (10% accuracy): relative power, 1 to 10; SWR, 1:1 to 20:1. For Amateur, CB, other services from 1.8 to 432 mc. Requires 45 watts at 1.8 mc, ½ watt at 432 mc for full-scale deflection. 1 kw rating; for unbalanced 50-72 ohm line; negligible insertion loss. Coupler, 2x5x2½"; indicator, 2⅞x6¼x3"; 4-ft. cable. Gray. Needs no power or battery. 3 lbs.

83 U 546 MW. *$5 Monthly*. . . **23.95**
83 U 627 MW. In Kit Form. 14.95

With Probe
$53.95
$5 monthly

Features ½-Volt Full-Scale DC Range for Accurate Transistor Servicing Work

KG-625 Deluxe 6" VTVM

Features a single, switchable AC-Ohms/DC test probe making multiple measurements a snap; modern gimbal bracket for undershelf, wall or bench mounting; 200 µa, 6" meter with 100° arc for increased viewing area; 10 color-correlated scales; pre-aged bridge tube with matched triode sections.

Has precision 1% film-type resistors as multipliers; 11-megohm DC input impedance; zero-center scale for discriminator alignment; DC polarity reversing switch; externally accessible calibration controls; pilot light. Meter movement shorted out in "off" position.

Power transformer for line isolation. Size, 7¾x12x5½". Black steel case; charcoal gray and silver panel. With probe and battery. For 110-130 v., 60 cycle AC. Wt., 9 lbs.

83 U 563 MXW. *$5 Monthly*. . . . **53.95**
83 U 975 MXW. In Kit Form. 36.95
83 U 130 MW. High-Voltage Probe. Extends the range of KG-625 or KG-620 to 25,000 v.: Shpg. wt., 1 lb. **5.50**
83 U 131 MW. High-Frequency Probe. Extends range to 250 megacycles. 1 lb. **4.50**

KG-625 SPECIFICATIONS

DC Volts (±3%): 0-0.5-1.5-5-15-50-150-500-1500. **AC RMS Volts** (±5%): 0-1.5-5-15-50-150-500-1500; separately calibrated scales for 1.5 and 5 v. **AC P-P Volts** (±5%): 0-4.2-14-42-140-420-1400-4200; separately calibrated scales for 4.2 and 14 v. **Response:** ±1 db, 30 cps to 3 mc; ±3 db, 30 cps to 5 mc. **Ohms:** 0-1K-10K-100K; 0-1-10-100-1000 megs. **Center Scales:** 10-100-1K-10K-100K; 1 and 10 megs.

Model KG-650 5-Band RF Signal Generator

 fundamental RF output:
A, 160-550 kc; Band B, 550-
c; Band C, 1850 kc to 7 mc;
D, 7-27 mc; Band E, 27-112
armonics usable to 224 mc.
t in excess of 400,000 µv.
ated 400-cps; unmodulated;
ernal modulation. 400-cps
t 10 volts available. Colpitts

oscillator—precision-wound coils; no calibration required. Step and continuous-type attenuators; cathode-follower outputs. 7¼x10⅛x5¼". Black metal case; charcoal gray, silver panel. With leads. For 110-130 v., 60 cycle AC. 8½ lbs.

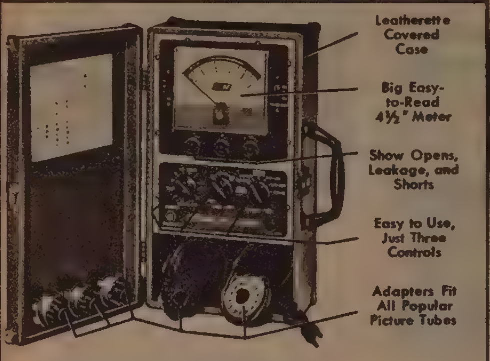
83 U 574 MW. *$5 Monthly*. . . **32.95**
83 U 953 MW. In Kit Form. 23.95

Covers 160 Kc to 112 Mc on Fundamentals—Usable to 224 Mc on Calibrated Harmonics

$32.95
$5 monthly

night-Kit Section for Complete Specifications and Details

B&K Professional Test Equipment


Leatherette Covered Case
Big Easy-to-Read 4½" Meter
Show Opens, Leakage, and Shorts
Easy to Use, Just Three Controls
Adapters Fit All Popular Picture Tubes

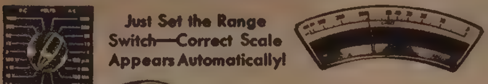
B&K Model 445 Deluxe All-in-One CRT Tester-Rejuvenator

$74.95
$5 monthly

- For Color or Black and White CRT's
- Repairs CRT While It's In the Set

Checks and repairs color or black and white CRT while it's in the set—pays for itself by the time it saves. Checks leakage, shorts, opens, and emission. Checks gas content, predicts useful tube life; indicates expected picture quality. Operates tubes at correct filament voltage from 1 to 12 volts. Handles all Hi G_2, and Lo G_2 tubes. Supplies Hi G_2, Lo-1 G_2 and Lo-2 G_2 voltages. Tests and rejuvenates 110° tubes, 19" and 23" types, and color tubes including the new 90° and 23" 23BG22. Checks and corrects each gun of color tube separately. Has 4½" meter, neon bulb indicators. Leatherette covered case, 14x8x4¾". For 105-125 v., 50-60 cycle AC. Shpg. wt., 11 lbs.
94 U 163 X. *$5 Monthly*. **74.95**

Fast, Error-Free Readings Without Multiplying


Just Set the Range Switch—Correct Scale Appears Automatically!

C

$59.95
$5 monthly
"V-O-Matic" 360 Has Burnout-Proof Movement

D

$89.95
$5 monthly
"Dynamatic" 375 VTVM Uses 1% Precision Resistors

A

$79.95
$5 monthly
Includes Test for Grid Emission

$189.95
$10 monthly
Makes
Under
Oper
Condi

A New! 606 "Dyna-Quik" Tube Teste

Emission type tester is compact, lightweight; fast, ac
and easy to use. Checks most TV and radio tubes,
tors, 10 pins, 12-pin compactrons, voltage regu
thyratrons, auto radio hybrids, European hi-fi and
trial tubes—all under simulated load conditions.
switches set tester. Results shown on 4½" "Rep
Good" scale. Checks each section of multi-section
separately. Adjustable grid emission test, sensitive t
100 megohms. Tests for shorts, leakage, gas. Leath
covered case, 8½x11x4½". For 105-125 v., 50-60 cyc
Shpg. wt., 5¾ lbs.
94 U 164 X. *$5 Monthly*. 7

B New! 707 "Dyna-Quik" Tube Test

Professional dynamic mutual conductance tube test
tures multiple socket plug-in-and-check section,
switching section for new tube types. Tests radio a
types, voltage regulators, thyratrons, auto radio hy
European hi-fi and industrial tubes. Has sockets for
tors, 10 pins, and 12-pin compactrons; provision fo
sockets. Checks each section of multi-section tubes
ately. Adjustable grid emission test—over 100 m
sensitivity. Tests for shorts, leakage, gas, "life."
4½" meter, "Replace-?-Good" scale. Leatherette
16⅛x15¾x5⅞". 105-125 v., 50-60 cycle AC. 16 lbs.
94 U 165 X. *$10 Monthly*. 18

C 360 "V-O-Matic" Automatic VOM

- Each Range Has Its Own Individual Full Size Scale
- Accuracy Is ±3% of Full Scale on DC, ±5% on A
- Meter Movement Is Fully Protected Against Burnou

Displays only one scale at a time—the one you
PLUS 18 overlay extra scales for: audio watts, d
volts, capacitance. Mirrored scale, knife-edge pointe
sitivity: 20,000 ohms/v. DC; 5000 ohms/v. AC. R
AC-DC v., 0-6000 (7 ranges); DC μa, 0-100; DC ma,
(3 ranges); DC amps, 0-10; resistance, 0-100 me
ranges). AF output, 0-300 v. (4 ranges). Respon
500,000 cps. Ohms adjust control automatically
leads for zero set. Polarity reversing switch. Stand
teries, leads. 6¼x8⅜x4¼". Shpg. wt., 4½ lbs.
94 U 168. *$5 Monthly*. 5

D 375 "Dynamatic" Automatic VTVM

- Each Range Has Its Own Individual Full Size Scale
- Accuracy Is ±3% of Full Scale on AC and DC Ra
- Swivel Stand Becomes a Convenient Carrying Handle

Displays only one scale at a time—the one you want
100 μa meter movement, mirrored scale, paralla
knife-edge pointer, 1% multiplier resistors. Input
tance: 11 megohms on all DC ranges. Ranges: D
rms and p-p v., 0-1500 (7 ranges); DC ma, 0-500 (3 ra
resistance, 0-1000 megs (7 ranges). Metal case,
10¾x4". With battery and AC-DC probe. For 110-1
50-60 cycle AC. 9 lbs.
94 U 167 X. *$5 Monthly*. 8

Servicemen

B&K

OFF ON
MODEL 1245 COLOR GENERATOR
HORIZONTAL
CROSSHATCH
VERTICAL
DOTS
COLOR
COLOR
PATTERN
AMPLITUDE
GUN KILLER

NEW

Fully Transistorized!

l 1245 TV Portable Color Generator

34^95
monthly

- **For Quick, Easy Color Convergence**
- **Connect to Set's Antenna Terminals**
- **Reliable Solid-State Circuitry**

veight and compact portable color generator
ng proven accuracy and reliability of solid-state
ry. Designed for quick, easy convergence and
djustment of TV sets in home. Connects dir-
antenna terminals. Over 5000 mw RF output on
ls 3, 4 or 5. Provides crystal-controlled keyed
color display, dot pattern, crosshatch, hori-
and vertical lines. Small-step, crystal-controlled
circuit gives greater reliability and stability of
lots and lines. Horizontal lines are just one scan-
ne thick, beginning and ending off screen with
aks. Dots are smallest visible, with adjustable
ess for sharp focus and excellent definition.
4x8⅞." With RF cable. For 105-125 v., 60 cycle
pg. wt., 4 lbs.
48 U. *$7 Monthly*.......................**134.95**

801 Capacitor Analyst

95
thly

Checks Shorts, Opens, Energy Storage and Life Expectancy

Circuit. Instantly indicates
storage capability and life
ncy. Combined effects of
series resistance, leakage
ce and useful capacity of
ytics up to 2000 mfd tested
irect reading. Safe for high
voltage (transistor) types.
. Short test for capacitors
mmf to 2000 mfd even with
esistance of 25 ohms. Open
shunt resistance as low as
s down to 25 mmf. Leakage
ce reads directly on meter.
s 3-wire test for dual, series
ytics. In addition, reads ca-
rom 10 mmf to 1 mfd in 5
Size, 6x10x4½". For opera-
m 110-120 v., 50-60 cycles
pg. wt., 5 lbs.
2. *$6 Monthly*....**109.95**

**t All the Test Gear You
d Now—Use Allied's Con-
nient Credit Fund Plan**

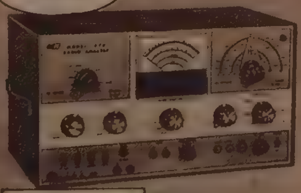
Deluxe Model 1076 TV Analyst—Complete Color and Black-and-White Service Unit

$329^95
$16 monthly

- **Complete TV Signal Generating Source**
- **Flying Spot Scanner for Test Pattern**
- **Point-to-Point Signal Injection**

Pinpoint any TV trouble within minutes. Combines a miniature TV transmitter with a circuit analyzer to save endless hours of labor. Directly injects RF, IF, video or audio signals into any stage of black-and-white or color TV set—you view results on set's screen. Injects horizontal and vertical sync, plus grid and plate drive for sync and sweep checks. Offers switch selection of channels 2-13; has negative bias supply for sync overload and AGC troubleshooting, AGC keying pulse, high level test signal for directly modulating picture tubes. Also generates white dot, crosshatch and color bar patterns for color convergence adjustment; crystal-controlled full-color rainbow and color bar patterns test color sync, range or hue control and align color demodulators. Size, 10¼x17x10". For 110-120 v., 60 cycle AC. Shpg. wt., 29 lbs.
94 U 169 U. *$16 Monthly*.......................**329.95**

NEW



$199^95
$10 monthly

970 Radio Analyst

- **All-In-One Transistor Radio Servicing**
- **In-Circuit and Out-of-Circuit Tests**
- **For All AM-FM Transistor Radios**

Everything for complete transistor radio servicing: signal tracer, VTVM, VOM, in an out-of-circuit transistor tester, DC power supply. Traces circuits, stage by stage; provides ½ to 12 VDC in 1½-v. steps. Tests transistors in-circuit with "Dyna-Trace" single-point probe; tests out-of-circuit for leakage and beta (0-300). Ranges: VDC, 0-2-20-200-500; current, ma, 0-2-200; amps, 0-2-5; ohms, 0-50K-500K-5 meg. Protected meter movement. 9x10½x15¼". With Japanese-American transistor guide. For 110-120 v. AC. 22¼ lbs.
94 U 367 X. *$10 Monthly*....**199.95**

Transistor Radio Servicing Equipment

$99^95
$5 monthly

960 All-In-One Analyst

- **For All AM Transistor Radios**
- **Tests Transistors While In Circuit**
- **Has Metered 0-12 VDC Power Supply**

Makes transistor radio servicing faster, easier. It's a signal tracer, vacuum tube voltmeter, ohmmeter, battery tester, transistor tester, DC power supply. Lets you trace circuits stage by stage, supplies 0-12 VDC to radio under test. Checks transistors in-circuit, using exclusive "Dyna Trace" single point probe, checks out-of-circuit for leakage and beta. Protected meter movement. Sturdy metal case, 7¾x12⅛x4⅞". With Japanese-American transistor cross-reference guide. For operation from 110-120 v. AC. Shpg. wt., 6 lbs.
94 U 166 X. *$5 Monthly*......**99.95**

SENCORE

Quality Test Instrum

$107.75 Compact for In-Home Color Service Needs

$6 monthly

CG126 Color Bar Generator

- All Patterns Crystal Controlled
- Offers Adjustable White Dot Size
- 200% Reserved Color Bar Output

Speed up your service jobs with this compact, 5-function generator. All patterns are crystal controlled for "rock-like" stability. And, 5-way panel switch provides rapid selection of desired pattern.

10 standard keyed RCA-type color bars automatically provide all colors at specified NTSC phases. White dots are size adjustable from rear panel. Stabilized cross-hatch pattern, 10 thin vertical lines and 14 thin horizontal lines simplifies convergence adjustments.

RF output pretuned to Channel 4—other low channels can be used by adjusting tuning slug. Reserved output of up to 200% available on color bars for forcing signal through defective circuits. Size, 9x11x6". For 110-120 v., 60 cycle AC. Shpg. wt., 10 lbs.

94 U 174 U. *$6 Monthly*.. **107.75**

NEW!

For Present and Future TV Picture Tubes—Color and Black-and-White

$88.15

$5 monthly

CR133 CRT Checker/Rejuvenator

- Hand Wired; Steel Encased for Protection
- Variable G_2 Testing Voltage—25 to 325 v.

Checks emission, inter-element shorts, control grid cut-off capabilities, gas and expected life. Color guns individually tested. For conventional and new low-drive black-and-white, round and rectangular color tubes. Well-filtered DC for all checks. Automatically controlled rejuvenation is precisely timed. Line voltage adjustment. Size, 10x9x3½". With 2 cables, sockets for all tubes, steel case. For 110-120 v., 60 cycle AC. 10 lbs.

94 U 365. *$5 Monthly*............ **88.15**

NEW! CG135 Transistorized Deluxe Color Generator

$146.95

$8 monthly

- Instant Operation
- Universal Color Gun Interrupters
- Chan. 3-5 Output

Offers instant, service-ready RCA-type standard color bars, cross-hatch, white dots, individual vertical and horizontal bars. Solid-state design employs GE "Unijunctions" to develop six "jump-out-proof counters" for stable patterns at all times with zero warm-up time. Other features: universal color gun interrupters on front panel; unmodulated video for chroma circuit isolation; unmodulated sync pulses for analysis; 4.5 mc sound carrier for fine tuning adjustments. RF output on channel 4—adjustable to 3 or 5 at front panel. Compact steel case, 10x9x3½". For 110-120 v., 60 cycle AC. Wt., 8 lbs.

94 U 364. *$8 Monthly*........ **146.95**

A SS137 Television Sweep Circuit Analyzer

Now you can solve sweep, sunc or high-voltage circuit problems quickly. Built-in universal horizontal/vertical oscillators substitute for those in TV set—color or black-and-white.

Horizontal yoke check uses universal yoke in unit; vertical yoke checked by driving with test signal to give full trace on TV screen. Flyback check tests power transfer to universal yoke. All tests dynamic with TV on.

Has 300 μa meter for AC, peak-to-peak, DC, DC current, 2nd anode potentials to 30 KV. With HV probe and test leads. Size, 9¼x10¼x3½". For 110-120 v., 60 cycle AC. 10 lbs.

94 U 400. *$5 Monthly*....**77.91**

CA122A Color Telev
Circuit Analyze

$183.75

$10 monthly

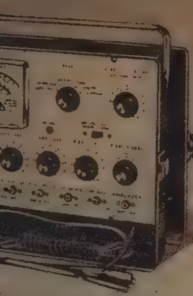
- Tests Tune
- Includes Illu
  Pattern In
- Analyzing

Produces six basic pattern
bars, white dots, vertical, ho
and shading bars, cross-hatch
Other analyzing signals help so
IF, audio, vides and sync prob
both color and black-and-whi
10 standard crystal-controlled
RCA-type bars give all colors a
fied NTSC phases. Counting
develop stabilized dots. Color
terrupter for fast purity and c
ence checks. Sync and video, ±
v. p-p, have calibrated p-p c
Crystal-controlled 4.5 mc and
audio signals included. Size, 10
For operation from 110-120
cycle AC. Shpg. wt., 11 lbs.
94 U 176 U. *$10 Monthly*.....1

B **TR115 TRANSISTOR-
CHECKER.** Checks transist
gain, leakage, opens, shorts
current gain (beta) directl
good or bad. Checks dio
ratio; seleniums for forw
verse current. Set-up ch
critical tests (performs mo
without them); Japanese
lent list. 4½x5x2¼". Wit
and batteries. Wt., 2 lbs.
94 U 188. *$5 Monthly*.....

C **TR110A TRANSI-MASTER
SISTOR TESTER.** Tests tra
in circuit with AC gain
tests DC gain, leakage
circuit. Serves as signal
voltmeter, battery tester, n
meter. Reads current gain
directly; tests diode F/B
0-12 v., 0-50 ma scales. Co
ror for PC boards. 9x7⅝x3
probe, leads, batteries,
charts. Wt., 6 lbs.
94 U 302. *$5 Monthly*.....

SENCORE



X129 FM Stereo Multiplex Generator and Analyzer

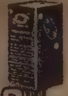
66^11

monthly

- Transistorized and Crystal Controlled
- Shows Stereo with Audio Signals

, crystal-controlled 19-transistor . Generates all signals required ouble shooting, aligning and ng stereo section of FM re- . FM-RF carrier has composite dio signal (1 kc or 60 cps tone, ernal choice) with 38-kc sup- l carrier, 19-kc pilot, 67-kc SCA Full control over left and right l amplitude (modulation). 67- A output for trap adjustment; site signal for injection after tector; 19-kc pilot level calibra- % modulation. Accurate meter -p volts, db; checks all control s. 9½x10½x4″. For 110-120 v., e AC. 9 lbs.

1 U. *$9 Monthly*.....**166.11**



B

C

2 **"ELECTRO-SUB."** Substitutes ytic capacitors in everything ansistor radios to hi-fi ampli- values—2 to 250 mfd. Usable to 450 volts DC. Automatic ge and surge protection cir- Size, 3½x5½x3″. With leads. lbs.

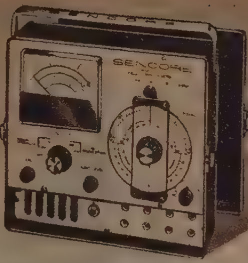
9.......................**15.63**

"VIBRA-DAPTER." Adapts any ester to check 6 and 12-volt rs—3 and 4-pin types. Plugs AX4/12AX4 or 6SN7/12SN7 on tester. 2 lamps show con- 3¾x1¾x1¾″. 5 oz.

6.......................**2.69**

3 **FILAMENT CHECKER.** Quickly popular-type tube filaments, ng compactrons, novars, 10- vistors. Leads for picture tube, ity and voltage tests. Neon ndicator. 4x3x1″. Uses TV r" cord for power. For 110-120 ycle AC or DC. 1 lb.

4.......................**3.87**



FS134 VHF/FM/UHF Portable Field Strength Meter

$195^51

$10 monthly

- 2-Scale 4″ Meter
- Transistorized and Battery Powered
- Highly Sensitive

Professional portable field strength meter for VHF, FM and UHF. Costs less than many meters covering only 2 of these bands. First band, 50 to 110 mc (TV Ch. 2-6 and FM); second, 160 to 230 mc (Ch. 7-13); third, 460 to 900 mc (Ch. 14-83). VHF/FM sensitivity, 5 µv; accuracy, ±3 db. UHF, 15 µv and ±6 db. Easy-to-read 4″ meter calibrated 60 db, 5-5000 µv; equipped with built-in attenuators of X10, X100 and X1000. IF and image rejection greater than 50 db on VHF/FM; 30 db on UHF. Input impedance 75 ohms, or 300 ohms with built-in balun. 500-kc bandwidth. 9½x10½x5″. With batteries. 12 lbs.

94 U 340 U. *$10 Monthly*....**195.51**

D

D RC121 COMPONENT SUBSTITUTOR. Saves valuable time —eliminates crumpled parts, unnecessary soldering and unsoldering when substituting suspected components for test purposes. Makes quick, on-the-spot checks.

Switches select: 12—1-watt resistors, 10 to 5600 ohms; 12—½-watt, 10K to 5.6 megs; 20—20-watt wirewound power resistors, 2.5 to 15,000 ohms; 10—600-WVDC capacitors, 100 mmf to 0.5 mfd; 10—450-WVDC dual-section electrolytics, 2 to 250 mfd; 1 selenium rectifier, 500 ma/800 PIV; 1 silicon, 5 amps/800 PIV.

Built-in surge protector. Electrolytics automatically discharged. 4 test leads. 6x10x3½″. Wt., 5 lbs.

94 U 178. *$5 Monthly*. **39.15**

TC136 Compact Tube Tester

$73^01

$5 monthly

- Checks over 2800 Tube Types
- Burnout-Proof, Stick-Proof Meter

The "Mighty-Mite III" has won wide acceptance among technicians and servicemen everywhere for its versatility and reliability. Uses a highly-sensitive (100 megohms) moving-coil meter to pin-point those "tough dogs" often found in color TV and stereo FM sets.

Checks more than 2800 tubes, including frame grid types, 10-pin Amperex tubes. Tests for control grid and gas contamination, as well as for inter-element shorts and cathode emission, at full operating levels. Checks individual elements.

Has: lower voltages for Nuvistors and frame grid tubes; speedy, indexed set-up books; simplified panel layout; burn-out and stick-proof meter; steel case, rubber feet. 10¼x9¼x3½″. For 105-125 v., 50-60 cycle AC. 9 lbs.

94 U 401 U. *$5 Monthly*...**73.01**

Performance, Portability, and Appearance

5 Overlapping Horizontal Sweep Ranges to 500 Kc

$166^11

$9 monthly

PS127 5″ Wideband Oscilloscope

- ±1 db, 10 cps to 4.5 mc Vertical Response
- 5000 Volt Peak-to-Peak Low-Capacity Probe

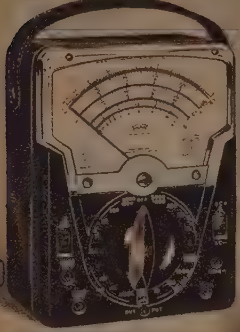
Offers wide bandwidth, high sensitivity, linear sweep, positive sync. .017 rms vertical sensitivity. Vertical amp down only 3 db at 5.2 mc. 5 sweep ranges (10% overlap): 5-50 cps, 50-500 cps, 500 cps-5 kc, 5-50 kc, 50-500 kc. Sync to 4 mc. Horizontal response: ±3 db, 10 cps to 1 mc; sensitivity: 1 volt rms for 1″ width. 9x12x15½″. With low-cap probe. For 105-125 v., 50-60 cycle AC. Wt., 25 lbs.

94 U 181 U. *$9 Monthly*........**166.11**

TRIPLETT Testers for Hobbyist or Professio

HIGH-ACCURACY TESTERS

A



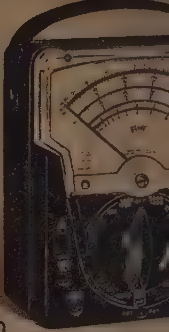
\$49.50 \$5 monthly **Model 630-PL**

B

\$69.50 \$5 monthly **Model 631**

C

Model 630-NA **\$79.50** \$5 monthly



It's Burnout-P

Model 630-

\$79.50 \$5 monthly

Model 630 VOM

\$49.50 \$5 monthly

- Fused Against Ohm Range Burnouts
- Large, Easy-to-Read 5½" Meter

Streamlined tester with spring-backed instrument jewels for rugged shock-resistance. Many quality features. Has 5½" meter and 1% precision resistors. Accurate within 2% on DC to 1200 v. Ranges: DC and AC volts, 0-3-12-60-300-1200-6000 (DC at 20,000 ohms/v., AC at 5,000 ohms/v.); DC current 0-60 μa, 0-1.2-12-120 ma and 0-12 amps; resistance, 0-1000-10,000 ohms and 0-1-100 megs; db, −20 to +70 (600-ohm line at 1 mw.); output v., 0-3-12-60-300-1200. 20-position switch selects circuit and range—minimizes chance of incorrect settings and burnouts. 7½x5½x3⅞". With batteries, leads. Wt., 6 lbs.
69 U 118. *\$5 Monthly*........**49.50**

A **MODEL 630-PL VOM.** AC and DC v., 6 ranges each, to 5000 v. (DC at 20,000 ohms/v.; AC at 5000 ohms/v.); DC current, 0-100 μa, 0-10-100-1000 ma, and 0-10 amps; resistance, 0-1000-10,000 ohms and 0-1-100 megs; db, −20 to +75 in 6 ranges; output v., 0-3-10-50-250-1000 at 5000 ohms/v. Accuracy: ±2% on DC to 1000 v.; ±3% on AC to 1000v. 7½x5½x3$\frac{11}{32}$". Leads, batteries. 4½ lbs.
69 U 229. *\$5 Monthly*........**49.50**

B **MODEL 631 VTVM-VOM.** Battery operated VTVM, 0-1.2-6-30-120 v., DC; 11 megs input imp. VOM: DC v., 0-3-12-60-300-12K (20K ohms/v.); AC (5K ohms/v.); DC μa, 0-60; DC ma, 0-1.2-12-120-1200 (250 mv); DC amps, 0-12 (250 mv); db, −20 to +63; ohms, 0-1500-15K; megs, 0-1.5-150. With batteries and leads. 3$\frac{11}{32}$x5½x7½". 4½ lbs.
69 U 113. *\$5 Monthly*........**69.50**

C **MODEL 630-NA VOM.** A
forming VOM with 70 ran
curate within 1½% of full sca
ing on DC to 1200 v.; ±3% o
1200 v. DC volts; 0-.240-.6-
300-1200-6000 (10,000 ohms
.120-.3-1.5-6-30-150-600-3000
ohms/v.). AC volts: 0-3-12-
1200-6000 (5000 ohms/v.); 0-1
150-600-3000 (10,000 ohms/v
−20 to +77 in 12 ranges (6
line at 1 mw.). DC microamp
(240 mv); 0-60-600 (120 mv).
0-1.2-12-120-1200 (240 mv);
mv). DC Amps: 0-12 (240 m
(120 mv). Ohms: 0-1K-10K-1
100 megs. Output volts: 0-
300-1200. Frequency compe
from 35 cps to 20 Kc. 7½x5
Mirror scale; meter has speci
protection against overloads. W
leads, alligator clips, and ba
Shpg. wt., 4 lbs.
69 U 110. *\$5 Monthly*......

D **BURNOUT-PROOF MODEL 630-PLK VOM.** Has transistorized electronic
ing circuits to protect meter and all components from overloading.
DC volts, 0-2.5-10-50-250-1000-5000 @ 20,000 ohms per volt; AC volts,
50-250-1000-5000 @ 5,000 ohms per volt; db, −20 to +75 in 7 rang
microamps, 0-100; DC milliamps, 0-10-100-1000; DC amps, 0-10 @
ohms, 0-1000-10,000; megohms, 0-1-100; output volts, 0-3-10-50-250-
5,000 ohms per volt. With 50" leads with clips, and batteries. 7½x5
Shpg. wt., 4 lbs.
65 U 299. *\$5 Monthly*..............................

Deluxe Model 800 Suspension-Movement VOM

\$99.50 \$5 monthly

Large 7" Mirror Scale . :
load Protected Meter .
Ranges Including 0.3

±1½% DC accuracy to 1200 v.; ±3% AC to
DC v.: 7 ranges to 6000 (10,000 ohms/v.); 7 t
(20,000 ohms/v.); AC volts: 6 ranges to 6000
ohms/v.); 6 to 3000 (10,000 ohms/v.). Db.:
+70 in 12 ranges. DC μa: 1 range to 120 (240
to 600 (120 mv). DC ma: 4 ranges to 1200 (240
to 600 (120 mv). DC amps: 0-6; 0-12. Ohms: 3
to 100K, 3 to 100 megs. Meter fused; temp
and freq. compensated. 7½x6¼x3⅞". Leads, ba
4½ lbs.
69 U 071. *\$5 Monthly*..............................

curate, Versatile Test Equipment

ve on 310 VOM and Ammeter Outfit

ve
.60

Model 100 Outfit

$64⁵⁰
$5 monthly

ludes Leads and Accessories
niature 310 VOM Plus AC Adapter
mplete with Leather Case

plete set includes Model 310 iature VOM plus all this: Model mmeter Adapter—plugs into top 10 to read up to 300 amps AC in anges by clamping around conor without breaking circuit or intion; Model 101 Line Separator—eases sensitivity of Model 10 up wenty times; Model 379 Leather that holds Models 310 and 10. Model 311 leads for separating and 10. Shpg. wt., 7 lbs.
095. *$5 Monthly*............**64.50**

Full Set of 18 Ranges

Really Compact
$37⁵⁰
$5 monthly

Model 310 Compact VOM

Small, but no sacrifice in range, quality or workmanship. Sensitivity, 20,000 ohms/volt DC and 5,000 ohms/volt AC. DC accuracy, ±3%. DC and AC volts: 0-3-12-60-300-1200. DC ma: 0-6-60-600. DC μa: 0-600. Ohms: 0-20K-200K; Megs, 0-2-20. Probe fits into top of VOM—frees one hand. Self-shielded movement. 4¼x2¾x1⁵⁄₁₆". With leads and batteries. 4 lbs.
69 U 667. *$5 Monthly*..............................**37.50**
69 U 146. Model 369 Leather Case. 6 oz..............**3.20**

AC AMMETER ACCESSORIES

(Described in Model 100 outfit, above left.)
69 U 231. Model 10 Ammeter Adapter. Plugs into 310 or any other VOM with 3 v. AC scale at 5,000 ohms/volt. Reads to 300 amps AC in six ranges. 2¾ lbs.....**15.50**
69 U 235. Model 311 Leads. 1 lb..................**2.10**
66 U 590. Model 379 Leather Case. ½ lb..........**6.00**
69 U 232. Model 101 Line Separator. 5 oz..........**6.00**

Deluxe Model 310-C VOM

Ohms/Volt AC Sensitivity
olarity Reversing Switch
Enclosed Lever Switch

$44⁵⁰
$5 monthly

s Model 310 at right, but with these nal features: fully enclosed lever switch, 15,000 ohms/volt AC sensi- and reversing switch. All of the ries for the Model 310 including dapters, etc. can be used with the 4¼x2¾x1⁵⁄₁₆". Wt. 4 lbs.
96. *$5 Monthly*..............**44.50**

ED STOCKS THE COMPLETE LINE OF TRIPLETT TEST
IPMENT FOR IMMEDIATE DELIVERY. WRITE FOR FULL
ORMATION ON INSTRUMENTS NOT LISTED HERE.

Special-Purpose Test Instruments

UTRONINC.

Binary Multiple Capacitance Box

1
2
4
8
16
32
64
128
BMC BINARY MULTIPLE CAPACITANCE BOX

255 Mfd in Steps of 1 Mfd
b Measurements Included

$35⁹⁵
$5 monthly

2" Scope, Only 8 lbs.

Measurement Control Devices

Compact and Lightweight with Big Scope Features . . .

$89⁹⁵
$5 monthly

BMC Capacitance Substitution Box

d for testing and developing transistor circuits, the Multiple Capacitance Box uses binary switching of ht electrolytic capacitors to achieve a range of 1 to d in steps of 1 mfd. All capacitors rated at 50 . Tolerance −10 to ±30%. Using actual lab measureof capacitors included, accuracy of 2% can be d. All aluminum case, size 9¾x3x3". With ions. Shpg. wt., 1¾ lbs.
2. *$5 Monthly*..............................**35.95**

Mark I "Primerscope" DC Scope

A portable scope for field engineers, technicians and hobbyists. Two-inch scope tube has bright, sharp trace. Horizontal and vertical amplifier response, DC to 75 kc. Horizontal sweep, 20 cps to 20 kc. Vertical sensitivity, 25 mv rms per inch, 20 to 75 kc; 1 volt p-p per inch DC to 75 kc. Internal or external pos. and neg. amplifier sync, with retrace blanking. Fully shielded CRT. 7x3½x10". For 105-125 v., 60-400 cycle AC. 8 lbs.
69 U 798 U. *$5 Monthly*..............................**89.95**

Simpson Test Equipment

Famous Model 260-5P VOM Now Burnout-

Model 260-5P

$78^95

$5 monthly

260-5

$48^95

$5 monthly

- Dependable Sensor Gives Overload Protectio
- 20,000 Ohms/VDC; 5000 Ohms/VAC Sens
- High Degree of Accuracy: DC, 2%; AC, 3
- Self-Shielded Movement, Spring-Back Jewe

Features fail-safe overload sensor for comple
tection—even when 110 volts is applied to 1 m
µa range. Spring-backed jewels assure greater
ability, excellent linearity and stability.
reversing for faster DC measurements; fu
bridge rectifier for more accurate VAC measu
—has 5-500,000 cps response. Ranges: D
0-250; AC and DC v., 0-2.5,-10-50-250-1000-5
output v., 0-2.5-10-50-250; DC µa, 0-50;
0-10-100-500; DC amps, 0-10; Resistance
0-20 megs in 3 ranges with center scale rea
12, 1200, and 120K ohms; db, −20 to +
ranges. Accuracy, 2% on DC; 3% on AC. Size,
3⅛". With batteries and test leads. 5 lbs.
65 U 035. *$5 Monthly*. . . . .

MODEL 260-5. Low-cost, highly reliable VOM
deluxe features as above, but without overlo
tection. With leads, battery. 5 lbs.
69 U 199. *$5 Monthly*. . . . .

69 U 200. Model 260RT. Above, but in roll-to
9x6⅜x4¾". 9 lbs. *$5 Monthly*. . . . .

Accessories for Simpson Series 260 and 270 VOM's

PROBES, LEADS AND CARRYING CASES. Burnout-proof Model 260-5P takes all accessories below, except Type 8375 Test Leads. See table for other models.

Stock No.	Type	Description	For Models	Lbs.	EACH
69 U 210	0508	HV probe; 25 KV range.	260-3,4 or 5	½	11.50
69 U 202	0509	HV probe; 50 KV range.	260-3,4 or 5	½	12.50
69 U 196	8375	Leads; alligator clips L terms.	260-3	½	1.75
69 U 203	7500	Leads; banana plugs allig. clip.	260-4	1	2.10
69 U 151	0805	Ever-Ready Leather Case	260, 270, 303	2	9.95
69 U 162	1818	Standard Leather Case	260,270	2	8.95

PLUG-IN ADAPTERS. Turn any 260 or 270 made sin
into 8 different testers. 4⅜x5$\frac{5}{16}$x3$\frac{1}{16}$". 2 lbs.

Stock No.	Type	Function	Description
69 U 334	650	Transistor Tester	0-100 µ I_{co} 3 beta ranges.
69 U 336	651	DC VTVM	0-0.5-1.0-2.5-5-10-25-50-100-250-500 v.
69 U 337	652	Temperature Tester	—50° to +250° F. in 2 ranges.
69 U 338	653	AC Ammeter	0-0.25-1-2.5-12.5-25 A; 50-3000 cps.
69 U 339	654	Audio Wattmeter	17 µw to 100 w; 4/8/16/600 ohms.
69 U 340	655	Microvolt Attenuator	2.5-250,000 µv, decade steps.
69 U 342	656	Battery Tester	Up to 90 volts.

10Mv AC
Full-Scale,
on Lowest
Range!

Model 715
AC VTVM

$69^95

$5 monthly

For TV-FM-AM
Service Work
in the Shop
or at Home

Model 466
"Handiscope"

$149^95

$8 monthly

Highly Reliable Model 715 AC VTVM

- For Hi-Fi, Audio Work
- 0-300 VAC in 10 Ranges
- Db Markings on Voltage Ranges and Meter Scale

Handy portable instrument for in-the-shop or in-the-home servicing. Perfect for hi-fi and general low-level audio work such as hum and ripple measurements, IF gain and vibration analyzing. Specially designed meter scale provides db markings on both voltage range positions and meter scale. 1% precision multiplier resistors. High Input Impedance: minimum 1 meg @ 1 kc shunted by 25 pf. Response: 10 cps to 400 kc, ±1 db. Ranges: VAC/rms, 0-0.01-0.03-0.1-0.3-1-3-10-30-100-300; db, −52 to +52 dbm. Sensitivity: 10 mv full scale on lowest range. Accuracy: ±5% of full scale. 5½x7½x3". With leads. For 110-125 v., 50-60 cycle AC. 5 lbs.
69 U 239. *$5 Monthly*. **69.95**

Model 466 5" Portable "Handiscope

Has horizontal push-pull amplification for X axis,
push-pull for Y axis, intensity modulation input for
Vertical Response: ±1 db, 15 cps to 100 dc; 6 db d
250 kc, usable to 1 mc. Maximum Vertical De
Sensitivity: 30 rms mv/inch. Maximum Deflection
tivity: 0.7 rms v/inch. Calibrating Voltage: P-P
±10%. Input Resistance/Capacitance: 0.1 meg,
(x1 atten.); 0.5 meg, 35 pf (x100 atten.). 15 cps to
sweep. Maximum Input: 400 v. peak. 7⅛x12¼x16
110-120 v., 50-60 cycle AC. 23¾ lbs.
69 U 643 U. *$8 Monthly*. **14**

Our Credit Fund Plan makes it so easy for you to
the best in top-quality test equipment—right aw

est Equipment by HICKOK

39.50 **Model 6000A Tube Tester**

monthly

-saving, quick-testing por- tube tester. Checks comrons, novars, 5 and 7-pin tors, and 10-pin minia-, as well as octals, loctals 7 and 9-pin miniatures. ides "good-bad" quality for NPN and PNP trans, and forward conduction ency test on semiconductor s. Features large 5″ meter, Hickok-developed G_m cir- Reads transconductance es (0-3000-6000-15,000 mhos) directly on 3-scale . Provides sensitive, in- inter-element leakage and s tests (on 5 neon lamps), grid current check. 7½x 11¾″. For 105-125 v., cycle AC. Shpg. wt., 18¼ *12 Monthly.*

00A U. 239.50

$355.00 **Model 752A Deluxe Tube Tester**

$17 monthly

Features simplified transconductance scale and G_m test circuit (ranges: 0-1500-3000-6000-15,000-30,000 micromhos). Tests 5 and 7-pin nuvistors, novars, compactrons, 10-pin types, 4, 5, 6, 7-pin octal, loctal, 7 and 9-pin miniatures, 7-pin in-line and 8-pin round subminiatures, voltage regulator tubes and acorn tubes. Cathode activity/life test. Bias and line fusing. Illuminated meter and roll-chart with data for over 1600 tubes. Black leatherette case, 7½x18⅜x16¾″. For 105 125 v., 50-60 cycle AC. Shpg. wt., 25½ lbs. *$17 Monthly.*

65 U 116 U. 355.00

NEW! Model 799 "Mustang" Tube Tester Featuring Reliable Solid-State Circuitry

$199.95

$10 monthly

- Ultra-Sensitive Gas, Leakage Tests
- Easy Multi-Section Tube Tests
- Space for Future Tube-Type Sockets

Solid-state circuitry assures instant, accurate and reliable tube checks. Multi-socket circuit design offers faster testing, greater first-time accuracy and larger profits. Has Hickok-developed G_m test circuit with continuously variable high and low ranges, 1000 to 20,000 micromhos. Tests 7, 9 and 10-pin miniatures, novars, compactrons, octals, 5 and 7-pin nuvistors and new 10-pin decals. Provides ultra-sensitive gas and leakage tests, as well as grid current check. Dual, triple and 5-section tubes easily tested without set-up change. Separate tests for detector-type diodes, power rectifiers and 0Z4 tube. Provision for future tube additions. 5″ multi-colored meter. 18½x15⅝x6⅛″. For 110-120 v., 50-60 cycle AC. Shpg. wt., 25 lbs.

65 U 132 U. *$10 Monthly* **. 199.95**

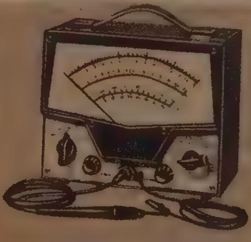
29.50 **10-100,000 µv VHF ...30-50,000 µv UHF... ±3 db VHF Accuracy**

onthly

5A Field Strength Meter

nstallation and maintenance HF/UHF antennas and dision systems. Direct readings solute field of strength, chan-83: 10-100,000 µv VHF; 30-0 µv UHF. Accuracy: VHF, b; UHF, ±4 db (±6 db at end of band). Accepts 75 and hm lines. Matched input for low VSWR. Self-calibraneon indicator-regulator, outack. Less batteries—uses 2 ess 8R 1½-v. and 1 Burgess 90-v. batteries. 10½x6¼x lbs. *$12 Monthly*

666. . . . . .229.50



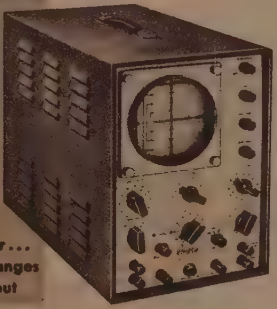
$79.50 **2-Scale 7″ Meter... 0.5 v. AC/DC Ranges ...17.7 Meg Input**

$5 monthly

Model 470A Portable VTVM

Versatile VTVM for engineer and serviceman. Has 2-scale, 7″ meter. Permits transistor bias testing. Ranges: AC/DC Volts, 0-1500 in 8 ranges; p-p AC Volts, 0-4000 in 7 ranges; resistance (center scale=10): X1, X10, X100, X1000, X10K, X100K, X1 meg and X10 megs. Response: 15 cps to 2.5 mc. AC/DC Input Resistance: 17.7 meg (AC shunted by approx. 150 pf). DC zero-center scale. 6⅜x7½x 4½″. With probe, lead. For 105-125 v., 50-60 cycle AC. Shpg. wt., 10 lbs. *$5 Monthly*

65 U 118. . . . . .79.50



Serviceman's 5″ Scope

$199.50

$10 monthly

5 Meg Input Impedance for Low Circuit Loading

Model 677 5″ Wideband Scope

Highly sensitive scope, excellent for color and black-and-white TV servicing, FM multiplex alignment and many more applications. Edge-lit, calibrated graticule and bright trace with full astigmatic correction—ideal for use in waveform observation and p-p measurements. Vertical Sensitivity: 40 rms mv/inch. Vertical response: ±3 db, 5 cps to 4.5 mc. Horizontal Response: ±3 db, 5 cps to 350 kc. Input Resistance/Capacitance: 3 megs, 10 pf; 5 megs, 30 pf. 10 cps to 500 kc sweep. Peak to peak calibrator. 14x9½x18½″. With leads. For 110-120 v., 50-60 cycle AC. Shpg. wt., 31 lbs.

65 U 283 U. *$10 Monthly* **. 199.50**

Famous Test Equipme

Kit Form
$79.95
$5 monthly

Wired
$129.95
$7 monthly

Highly Sensitive . . . 3 Mv. rms/in

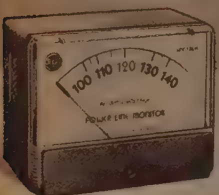
WO-33A (K) Oscilloscope Kit

- **Dual Band Response—Narrow-Band on High Gain Positions; Wide-Band on Low Gain Positions**
- **Ideal for Servicing Color TV, Audio Equipment**

Easy-to-build oscilloscope kit features dual-band response. With vertical amplifier in narrow-band position, sensitivity is 3 rms mv/in., bandwidth 20 cps to 150 kc. ±3 db. In wide-band position, sensitivity is 100 rms mv/in., bandwidth 5.5 cps to 5.5 mc. ±3 db. Provides all bandwidth you need for servicing color TV, monitors and cameras, and for square wave testing of audio equipment; all the gain you need for low-level audio work, such as servicing pickups, microphones, and industrial electronic equipment.

Sweep oscillator: 15 cps to 75 kc. Sync: external and ± internal. Line sweep: 160° adjustable phase. Sync circuit locks in at frequencies as high as 4.5 mc. 8¾x6½x10¼″. With instructions and combination low-cap and direct probe. For 105-125 v., 50-60 cycle AC. Shpg. wt., 15 lbs.
94 U 190 X. *$5 Monthly* **79.95**

94 U 276 U. Model WO-33A. Above, factory wired, ready for use. *$7 Monthly*..... **129.95**



WV-120A Power Line Monitor

$14.95

Convenient to Use . . . Just Plug Into AC Outlet

Expanded scale gives high accuracy and readability. Easy to use—plug line cord into nearest AC outlet. Reveals voltage fluctuations and "bounces" in line. Ideal for labs, factories—wherever accurate knowledge of line voltage is required. Range: 110-120 v. AC. Accuracy: ±2% at 120 v. May be hung on wall or work bench. 3$^{15}/_{16}$x5x3$^{1}/_{16}$″. 1½ lbs.
94 U 193.......................... **14.95**

ALLIED STOCKS A COMPLETE LINE OF RCA TEST EQUIPMENT

See pages 239, 403 and 404 for other RCA test equipment. If what you need is not listed, write, wire or phone Allied.

$189.50 **Generates Color Bars, Dots and Crosshatch**
$10 monthly

WR-64B Color Generator

New, improved version of popular WR-64A Color Generator. A "must" for adjusting and trouble shooting color TV phasing and matrixing. Produces 10 bars of different colors simultaneously. Provides extremely stable fine-line crosshatch and dot patterns for accurate convergence adjustments. Green-killing switches.

Chroma control checks color sync lock and color AFC alignment. Color sub-carrier, horizontal, vertical, sync-pulse, crosshatch and bar frequencies are crystal-controlled. 10x13½x8″. With output cable. 105-125 v., 50-60 cycle AC. 16 lbs.
94 U 191 U. *$10 Mo.*.... **189.50**

$256.50 **Crystal Calibrator Provides Calibrating Beats at 1 or 10 Mc**
$13 monthly

WR-99A Marker Generator

New crystal-calibrated marker generator supplies a fundamental frequency RF carrier of crystal accuracy for aligning and trouble-shooting TV sets and FM receivers. Covers 19 to 260 mc in 8 bands. Built-in crystal calibrator, heterodyne detector, amplifier and speaker provide calibrating beats at 1-mc or 10-mc intervals throughout entire range.

Built-in 4.5-mc crystal provides necessary accuracy for alignment of intercarrier IF amplifiers and discriminators. Has triple markers for sound IF alignment and bandwidth checks. 13x10x7″. With output cable. For 105-125 v., 60 cycle AC. 21 lbs.
94 U 329X. *$13 Mo.*... **256.50**

$295.00 **Covers All**
VHF TV Cha
$15 monthly **and the FM**

WR-69A Sweep Gener

New! For visual alignment
and FM receivers; espe
suited for color TV. Has
positions for all VHF TV
nels, FM broadcast, TV
chrominance and IF freque
VHF output on fundame
only; no beat notes or harm
are employed.

IF/Video output continu
tunable from 50 kc to 50 m
ranges. Bandwidth adjus
from 50 kc to 20 mc, AF/
and FM; 12 mc max. on
Attenuation even over 60
TV and FM; 70 db for I
video. 10x13⅝x7″. 105-125
60 cycle AC. 17 lbs.
94 U 347 U. *$15 Mo.*... **29**

$74.50 **Provides Shar**
Easy-to-Read
$5 monthly **Alignment Ma**

WR-70A Marker Add

New marker adder for use i
IF and video sweep alignme
color and black and white
sets. Designed for use with
ventional markers and s
generators. Adds marker s
to sweep response curve
sweep signal is taken out
ceiver under test.

Hi-Q markers are sharp, eas
read—high in amplitude, na
in width. Unit offers choice
different marker shapes to
mit use of marker best suite
response curve. Power su
voltage is stabilized for st
trace. 8x11x6″. Supplied wi
cables. For 105-125 v., 60
AC. Shpg. wt., 11 lbs.
94 U 330 X. *$5 Mo.*..... **74**

See Following Pages for Other RCA Test Equipm

r Accurate Service Work

$57.95
$5 monthly

In Easy-to-Build Kit Form

Highly Sensitive AC VTVM

-76A (K) AC VTVM Kit

, Full Scale Accuracy
: 9 AC Volt and db Ranges
h 1% Precision Resistors

des nine AC volt and db
es; measures 10 millivolts to
olts full scale; and −40 db
-40 db. Measures voltages
w as 0.2 millivolt.

porates 1% precision re-
s throughout for extreme
acy. Accuracy: 5% of full
Frequency response is flat
n 1 db from 20 cps to 1 mc.
t impedance is 1.0 meg-
shunted by 58 pf. Supplied
lete with shielded, direct/
capacitance probe that ex-
range up to 500 volts. Size,
5⁄8x4¾". For 105-125 v.,
cycle AC. 5 lbs.
339. *$5 Monthly*....**57.95**

206. WV-76A. As above,
y wired. *$5 Monthly*.**79.95**

$29.95
$5 monthly

Easy-to-Build Kit

Basic Service Instrument

WV-77E (K) Voltohmyst Kit

- **Low in Cost; Highly Dependable**
- **8 AC-DC, 7 AC p-p Voltage Ranges; 7 Resistance Ranges**

Low-cost, dependable VTVM kit features easy-to-follow instructions that make assembly really fast and simple. Ranges include: AC and DC volts, 0-1.5-5-15-50-150-1500; AC p-p volts, 0-4-14-40-140-400-1400-4000; resistance, from 0.2 ohms to 1000 megohms in seven ranges.

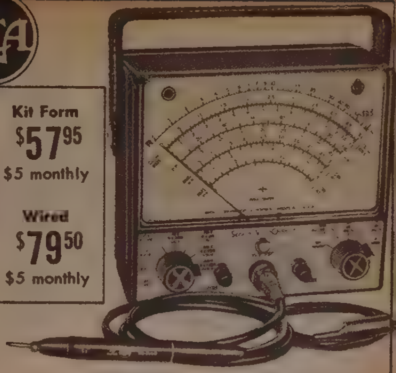
DC input resistance, 11 megs. 7⅜x5½x4¾". For 105-125 v., 50-60 cycle AC. 5 lbs.
94 U 207. *$5 Monthly*....**29.95**

94 U 208. WV-77E. As above, factory wired. *$5 Monthly*....**46.95**

94 U 209. WG-297 HV Probe. Extends DC range to 50,000 v. Requires Multiplier at right. Shpg. wt., 1 lb..................**11.95**

Kit Form
$57.95
$5 monthly

Wired
$79.50
$5 monthly



WV-98C (K) Senior Voltohmyst Kit

Easy-to-build VTVM kit designed for the professional or the advanced experimenter. Features: 1% precision resistors; big 6½" meter with 200-μamp meter movement; 3% accuracy. Ranges: AC and DC volts, 0-1.5-5-15-50-150-500-1500 v., Plus 0-0.5 v. DC range; and 7 resistance ranges to 1000 megohms. DC input resistance is 11 megohms. Response, 3 mc. on 1.5 and 5 v. ranges. 6½x7x3¾". With DC/AC-Ohms probe. For 105-125 v., 50-60 cycle AC. 7 lbs.
94 U 210. *$5 Monthly*..............**57.95**

94 U 211. WV-98C. As above, factory-wired. ready for use. *$5 Monthly*...........**79.50**

94 U 212. WG-289 HV Probe. Extends DC range of WV-98C to 50,000 v. Requires Multiplier listed below. 1 lb...............**11.95**

94 U 213. WG-206 Multiplier. For WG-289 HV Probe listed above. 1090 megohms to match 11 megohm input. Shpg. wt., 2 oz. **3.50**

94 U 214. WG-299D AC-DC-Ohms Probe. Replacement for use with WV98C. 1 lb....**7.95**

94 U 215. WG-301A Crystal Diode Probe. For WV-98C. Extends range to 250 mc. 8 oz. **7.75**

Form
9.95
monthly

ired
9.95
monthly

0A (K) RF Generator Kit

ile RF signal generator kit,
for maintenance, trouble-
ng and school uses. Easy
ld, it provides an accurate
of CW or amplitude modu-
signals on fundamentals
5 kc to 40 mc. Has perma-
attached output cables.
es 400 cycle audio fre-
oscillator for internal
ation or AF output. 7¾x
¼". For 105-125 v., 60
C. Shpg. wt., 7 lbs.
72. *$5 Monthly*....**39.95**

92. WR-50A. Above, fac-
ired. *$5 Monthly*....**59.95**

A WA-44C Audio Signal Generator

Compact, factory-wired audio signal generator provides both sine and square wave output. Covers frequency range of from 20 cps to 200,000 cps in 4 bands. Ideal for a wide variety of applications, including measurement of frequency response characteristics in audio amplifiers and speakers. Amplitude variation of not more than ±1.5 db from 30 cps to 100 kc. Total harmonic distortion is limited to 0.25% over range of 30 cps to 15 kc. Has separate 60 cps line output for intermodulation distortion measurements. 7x10^11⁄16x6⅛". For 105-125 v., 50-60 cycle AC. 10½ lbs.
94 U 290 U. *$5 Monthly*..........**98.50**

B WR-52A Stereo FM Signal Simulator

New, improved version of the popular WR-51A. Designed to generate signals necessary for complete service and maintenance of stereo multiplex FM receivers and adapters. Signals available include: composite stereo output signal for either left or right channel; each of the channels may be modulated; variable-level 19 kcs ±.01% crystal-controlled subcarrier signal for checking lock-in range of stereo receivers; and a 100-mc carrier signal for selection of quiet point on FM band. Also features an RF deviation meter. 13½x10x8". With 2 cables. For 105-125 v., 60 cycle AC. 14 lbs.
94 U 291 X. *$13 Monthly*.........**250.00**

$98.50
$5 monthly

A

$250.00
$13 monthly

B

See pages 239 and 404 for More RCA Test Equipment . . . Allied Stocks the Complete RCA Test Equipment Line . . . For RCA Test Equipment Not Shown in This Section, Write Allied

EICO Reliable, Easy-to-Bu

Kit Form

$\$29^{95}$

$5 monthly

WV-38A-K VOM Kit with 5¼" Meter

Low Voltage DC Ranges Cover 0-250 Millivolts and 0-1 Volt

Low in cost, has extra quality features. Large 5¼" meter for high readability and accuracy; extra low DC voltage ranges for transistor circuits; frequency response to 50 kc. Ranges: AC and DC v., 0-2.5-10-50-250-1000-5000 plus 0-0.251 v. DC; three ohms ranges to 20 megs; DC current, 0-50 μa, 0-1-10-100-500 ma plus 0-10 amps; db from −20 to +50 in 4 ranges. Input resistance: DC, 20,000 ohms/volt; AC, 5000 ohms/volt. Accuracy: ±3%. With test leads. 6⅞x5¼x3⅛". 5 lbs.

94 U 218. WV-38AK........**29.95**
94 U 219. WV-38A. Wired...**47.95**
94 U 220. WG-270A Case....**4.95**

Transistor Radio Demo Kit

- Excellent Teaching Aid
- Large 24x12" Schematic
- Radio Actually Works!

MODEL WE-93A-K. For classroom or lab. Each part is placed on its proper position on the schematic and is readily identified. Radio has a sensitive superhet circuit that pulls in many stations. Large circuit-panel for easy positioning of parts. Special silver-plated spring connectors securely hold components. With all parts, assembly instructions, plus 304-page RCA transistor manual, with a complete section on basic theory. Shpg. wt., 12 lbs.

94 U 216 U. *$5 Monthly*....**39.95**

More RCA Test Gear on Pages 239, 402, 403

Model 315-K $\$49^{95}$ $5 monthly

315-K RF Signal Generator Kit

- 5 Ranges—75 Kc-50 Mc Fundamentals
- Accuracy Better Than 1% All Ranges
- Regulated Power Supply for Stability

Deluxe in detail and performance. You dial frequency readings accurate to within 1% on all 7 ranges. Covers 75 kc to 50 mc in 5 ranges with calibrated harmonics, 13 mc to 150 mc on 2 ranges. Internal 400 cps modulation with attenuator; provision for external modulation. RF output is over 1 v. Also: bandspread vernier tuning, illuminated dial, gear-driven anti-backlash hairline pointer protected by glass. Regulated power supply for unfailing accuracy. Shielded chassis plus power line filter for low leakage output. Size, 13x12x7". Less solder. For 105-125 v., 50-60 cycle AC. Shpg. wt., 20 lbs.

94 U 133 X. *$5 Monthly*........**49.95**

MODEL 315. Above, factory wired.
94 U 132 U. 20 lbs. *$5 Monthly*. **69.95**

New Stereo Multiplex Generator Model 342

$\$149^{95}$

$8 monthly

Available Factory-Wired Only

342 Stereo FM Generato

- Lab Quality Composite Outp
- Crystal Controlled 19 Kc Sig
- Dual Inputs and Amplifiers

Compact, accurate, factory-asser
instrument for testing and ali
stereo FM tuners, receivers, r
Produces stereo FM signal of q
equal to costliest equipment, bu
simplified controls for fast, unco
cated operation. Provides va
amplitude composite audio outp
injection beyond detector; modu
RF at 100 mc with. ±75 kc
trolled deviation at 100% modula
Crystal controlled 19-kc pilot
may be switched on or off, wi
without audio information. Has i
for external modulation, choice
B, A +B, A −B; 1 kc/19 kc ou
for scope. Uses compactrons for
weight. 8½x5¾x12½". 110-12
AC. Wt., 10 lbs.

94 U 402 X. *$8 Monthly*.... **14**

A

B

A Sweep/Marker Generator Kit

MODEL 369-K. For TV and FM. Features post-injection marker—signals are unaffected by receiver circuitry. No moving parts to wear. 5 sweep ranges—3.5-316 mc, 3 marker ranges—2-75 mc on fundamentals; 60-225 mc range on harmonics. 4.5 mc crystal supplied for marker check. 6:1 vernier dial; 360° scale. Blanking and 3-stage AGC circuits. Imp., 50 ohms. Uses 6 tubes, rectifier. 8½x12½x7". Less solder. For 115 VAC. 18 lbs.

94 U 307 X. *$5 Monthly*........**89.95**

MODEL 369. Above, factory wired.
94 U 308 U. 16 lbs. *$7 Monthly*. **139.95**

B RF Signal Generator Ki

MODEL 324-K. Provides 150 kc to
mc RF output. From 150 kc to 14
on fundamentals (6 ranges); 111 m
435 mc on harmonics. Accu
±1.5%. Output: 50 ohms. Inte
400 cps modulation variable 0-5
provision for external audio so
Colpitts RF oscillator directly m
lated by cathode follower. Fine
coarse RF attenuators. 6:1 ve
tuning. 8x10x4¾". Less solder.
105-125 v., AC. 10 lbs.

94 U 141. *$5 Monthly*.........**28**

MODEL 324. Above, factory wired.
94 U 140. 10 lbs. *$5 Monthly*...**3**

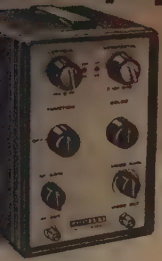
C Sine and Square Wave Audio Generator Kit

MODEL 377-K. Uses precision 1% resistors for high accuracy. Sine wave r
covers 20-200,000 cps in 4 bands. Response is ±1½ db from 60-150,000
with less than 1% distortion. Square wave range covers 60-50,000 cps in 4 ba
Only 5% tilt at 60 cps, 5% rounding at 50,000 cps. Output is 10 v. across
ohms. Hum is less than 0.4% of rated output. Calibration accuracy is ±
or 1 cps. 7⅛x11⅛x7⅝". For 105-125 v., 50-60 cycle AC. 14 lbs.

94 U 135 X. *$5 Monthly*..............................**37**
94 U 134 U. Model 377. Above, factory wired. 14 lbs. *$5 Monthly*..........**5**

est Equipment Kits

EICO



de
-K **$109.95**
$7 monthly

Solid-State Saturated Color & White Dot-Bar Generator Kit

For the Professional Serviceman
Generates 11 Different Signals
Completely Transistorized

vides precisely shaped, 100% saturated NTSC color signals. ures that any trouble observed on set is not due to a non-standard al. Besides generating 11 differ- colors, one at a time for hue and odulator adjustments, generates dots (variable size) for static and amic convergence; 13 horizontal ; 10 vertical lines; plus cross- h.

ystals control RF and color con- ence. RF: 0-50,000 µv into 300 s. Video: Positive and negative, v. p-p. Size, 8½x5¾x6⅜". Less er. For 105-125 v., 60 cycle AC. . wt., 8 lbs.

343 U. 380-K Kit...... 109.95

344 U. Model 380W. Above, fac- assembled. 8 lbs........**159.95**

Model 147-K **$29.95**
$5 monthly

Model 145-K **$23.95**
$5 monthly

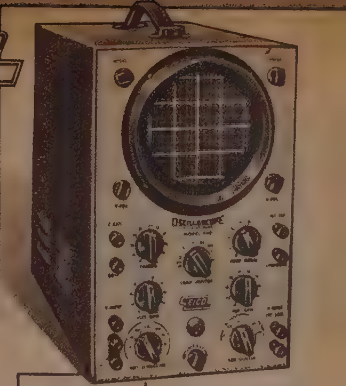
B Handy Signal Tracer Kits

- For AF and RF Signal Tracing
- Internal Wide-Range Demodulator
- Easy Stage-by-Stage Servicing

DELUXE MODEL 147-K TRACER. For high-and low-gain RF channels with internal wide range demodulator. Output for VTVM or oscilloscope. Features RF, AF visual-aural monitoring, magic eye tube, 5" speaker, watt-meter, noise localizer and hum balance. Gray portable case, 9x10x5". Complete with all probes; less solder. For 105-125 volts, 60 cycle AC. Shpg. wt., 10 lbs.
94 U 131. *$5 Monthly*.......**29.95**

MODEL 147. Signal tracer as above, but factory-wired. Shpg. wt., 10 lbs.
94 U 130. *$5 Monthly*........**44.95**

C **MODEL 145-K.** Similar to above less magic eye watt-meter-monitor. 7¹³⁄₁₆x5⁹⁄₁₆x5¹⁄₁₆". With probes, less solder. For 110-120 v., 60 cycle AC. Shpg. wt., 7 lbs.
94 U 139. *$5 Monthly*....... **23.95**



Model 460-K **$89.95**
$5 monthly

5" Wideband Oscilloscope Kit

- DC-10 Mc Response
- Edge-Lit Scale
- For Color and B&W

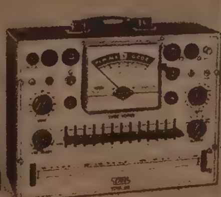
Response flat DC to 4.5 mc, usable to 10 mc. Easily reproduces 3.58-mc color TV synch burst. Vertical sensitivity, 10 mv/inch. Input, 3 megs shunted by 35 mmf; four position attenuator. Full-screen DC vertical positioning. 2X horizontal positioning. Sweep: 10 cps to 100 kc, plus low frequency sweep. 13x8½x61". Less solder. For 105-125 v. 50-60 cycle AC. 28 lbs. Express.
94 U 158 U. *$5 Monthly*...... **89.95**

MODEL 460. As above, but factory-wired. Shpg. wt., 28 lbs.
94 U 157 U. *$7 Monthly*.......**129.50**

SCOPE PROBES. Shielded. For 460-K and 430-K scopes. Av. shpg. wt., 5 oz.

Stock No.	Type	Description	EA.
94 U 151	PSD-K	Demodulator Probe Kit	3.95
94 U 152	PSD	As above, but wired	5.95
94 U 153	PD-K	Direct Probe Kit	2.95
94 U 154	PD	As above, but wired	3.95
94 U 155	PLC-K	Low-Capacity Probe Kit	3.95
94 U 156	PLC	As above, but wired	5.95

pular Eico Tube Testers—Wired or Kit Form



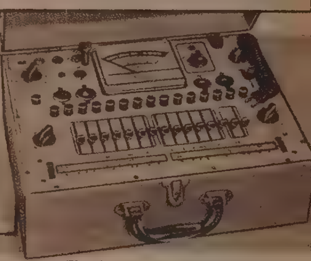
ODEL 632-K. CRT Tester and Rejuvenator Kit. For all RT's 1 KVDC for repairing CRT. 150 v. variable cutoff, ble filament supply. Tests for shorts, opens, beam current, life. 9¾x12x5". Less solder. 115 VAC. 12 lbs.
310 U. *$5 Monthly*.............................**49.95**
311 U. Model 632. Above, but wired. *$5 Monthly*.. **69.95**

ODEL 628-K. Low-Cost Tube Tester Kit. Checks emission, orts, opens, continuity. Tests miniatures, octals, loctals, stors, novars, compactrons. Uses CRT adapter, at left, meter. Fused. Size, 4¼x12½x9½". Less lid cover, below. solder. For 115 VAC. 12 lbs.
146 X. *$5 Monthly*.............................**44.95**
145 U. Model 628. Above, but wired. *$5 Monthly*..**59.95**
147 X. Model L-1 Lid. For above. 2 lbs..............**3.98**

EL 610. Adapter. Adapts older 666 and 625 testers for stors, novars, 10-pins, compactrons. 1¼x2½x6". 1 lb.
312. Kit..............**5.95** **94 U 313. Wired**......**11.95**

Deluxe Tube and Transistor Tester Kit

Model 667-K **$79.95**
$5 monthly



- Tests All Tubes—Including The Very Latest Types
- Reads Leakage to 10 Megohms
- Tests Transistors for Gain

Combines mutual conductance (Gm) and plate conductance (Gp) tests into one dynamic test with a peak emission test—gives single reading of tube quality. Spots bad transistors by gain and leakage tests. Checks nuvistors, novars, compactrons, miniatures, subminiatures, octals, loctals. Checks special purpose tubes, VR's, cold cathode regulators, and electron-ray indicators. Multi-circuit level switch; 13 tube-element pushbutton switches. 4½" 200 µv D'Arsonval meter, roll-chart window. 4½x15x12". Less solder. For 110-120 v., AC. Shpg. wt., 23 lbs.
94 U 143 U. *$5 Monthly*...................**79.95**
94 U 142 U. Model 667. Same as above, but factory wired. *$7 monthly*.............................**129.95**
94 U 144. CRU Adapter. 1 lb...................**9.95**

ip Your Test Bench Now—Use Your Allied Credit Fund

EICO Popular Test Equipme

Model 249-K VTVM Kit Has Extra-Large 7½" Meter

Kit	Wired
$39⁹⁵	$59⁹⁵
$5 monthly	$5 monthly

Features Exclusive "Uni-Probe"

- **Protected "No Burnout" Circuit**
- **Precision 1% Multiplier Resistors**

Deluxe peak-to-peak VTVM kit offers professional styling and performance. 7½" meter in "no-burn-out" circuit. Balanced-bridge circuit, 1% multiplier resistors, zero center scale, and "Uni-Probe." Ranges: p-p volts, 0-4-14-42-140-420-1400-4200; DC/rms volts, 0-1.5-5-15-50-150-500-1500. Response, 30 cps to 3 mc. Resistance, 0.2 ohms to 1000 megs in 7 ranges. Less solder. 8½x13x5". For 105-125 v., 50-60 cycle AC. 9 lbs.

94 U 233. *$5 Monthly*.........**39.95**

MODEL 249-W. Above, factory wired.
94 U 234. *$5 Monthly*...........**59.95**

A

232-K
$29⁹⁵
$5 monthly

B

221-K
$25⁹⁵
$5 monthly

C

250-
$49
$5 mon

A Model 232-K VTVM Kit

- **Boasts Time-saving "Uni-Probe**
- **Protected "No Burnout" Circuit**

Versatile instrument for all electronic servicing. Has 4½" meter protected by "no-burn-out" circuit. Exclusive AC/DC "Uni-Probe" lets you measure AC, DC, and ohms with one probe. Same ranges and electrical specifications as Model 249-K at left. For 117 v., 60 cycle AC. Size, 8½x5x5". Shpg. wt., 5 lbs.

94 U 235. *$5 Monthly*.......**29.95**

MODEL 232-W. Above, factory wired.
94 U 236. *$5 Monthly*.........**49.95**

B Model 221-K VTVM K

- **Zero-Center Scale** • **20 Ranges**
- **Balanced Bridge** • **1% Multi**

Boasts 25-meg DC input. Prote
4½" meter. Ranges: AC-DC v.,
10-100-500-1000; resistance, 0-
megs in 5 ranges. Response, 2
200,000 cps. 7 db ranges, −2
+55. Full scale accuracy:
±3%; AC, ±5%. With leads, "
Probe." Less solder. 9⁷⁄₁₆x16x5".
105-125v.,50-60cycleAC.7lbs.

94 U 252. *$5 Monthly*........**25**

MODEL 221-W. Above, factory w
94 U 253 X. *$5 Monthly*.......**3**

C Model 250-K Wideband AC VTVM/Amplifier Kit

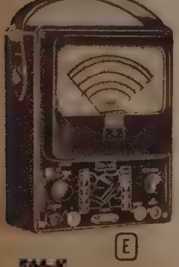
Panel switch converts VTVM to amplifier. VTVM Range: 1-3-10-30-100
rms mv; 1-3-10-30-100-300 rms v. Db, −80 to +52. Accuracy, ±3% o
scale. Amplifier: max. output, 5 v. rms; max. gain, 60 db. Response,
−3 db 8 cps to 800 kc. Less solder. For 105-125 v., 60 cycle AC. Shpg.
10 lbs.

94 U 258. *$5 Monthly*..**49**

MODEL 250-W. As above, but factory wired.
94 U 259 U. *$5 Monthly*..**7**

D

565-K
$24⁹⁵
$5 monthly



E

566-K
$16⁹⁵

Value-Packed VOM Kits

D **MODEL 565-K.** 31 ranges. 20,000 ohms/volt DC sensitivity and 4½" meter with 50 μa movement. Ranges: AC-DC, output volts, 0-2.5-10-50-250-1000-5000 (AC at 1000 ohms/v.); DC, 0-100 μa, 0-10-100-500 ma, 0-10 amps; 2000-200,000 ohms, 0-20 megs; −12 to +55 db in 5 ranges. With batteries. Less leads, solder. 6¾x5¼x3". 3 lbs.

94 U 268. *$5 Monthly*....................**24.95**

94 U 269. 565-W. Above, factory wired........**29.95**

MODEL 555-K. Same as 565-K but has 1% precision resistors.

94 U 270. *$5 Monthly*......................**29.95**

94 U 271. 555-W. Above, factory wired........**34.95**

E **MODEL 566-K.** Has 38 ranges. Easy-to-read 4½" meter. Rectifier in dual half-wave hook-up. Uses divider resistors. AC/DC ranges, 0-1-5-10-50-100-500-5000 v. at 1000 ohms per v. (full scale zero-to-one-volt range); 0-1-10-ma and 0.1-1 amps; 0-5000-100,000 ohms, 0-1 meg; 6 db ranges, −20 to +69. With batteries. Less leads and solder. 6¾x5¼x3". Shpg. wt., 3 lbs.

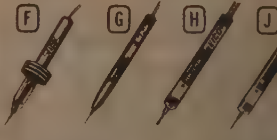
94 U 260..............................**16.95**

94 U 261. 566-W. Above, factory wired........**22.95**

MODEL 556-K. Same as Model 566-K, but has 1% precision resistors.

94 U 262......................................**18.95**

94 U 263. 556-W. Above, factory wired........**25.95**



Probes for Eico VTVM's

F **MODEL HVP-2 WIRED HIGH-V
AGE PROBES.** Extend range
VTVM's to 30,000 volts. Shpg. wt
lb.

94 U 240. For Model 221. 740 meg.
94 U 241. For 232, 249 1090 meg.

G **UNIPROBE.** AC/DC probe. Half
of probe tip selects DC or
ohms. Shpg. wt., ½ lb.

94 U 242. UP-K Kit..............
94 U 243. UP-W Wired..............

PTP-11-K. (Not illus.) P-to-P kit fo
meg VTVM's. Wt., 1 lb.

94 U 245..............................

H **PRF-25-K.** RF kit measures to
mc. For 25 meg VTVM's. 1

94 U 249..............................

J **PRF-11-K.** RF kit measures to
mc. For 11-meg VTVM's, 1

94 U 251..............................

PRF-11-W. Above, factory wired.

94 U 250..............................

it Form or Wired

EICO

A

680-K

$25.95

$5 monthly

B

1140-K

$14.95

C

8 Resistance-Capacitance Ranges

950-K

$23.95

$5 monthly

ODEL 680-K TRANSISTOR AND IRCUIT CHECKER KIT. Accurately sures basic transistor and diode acteristics. Measures I_{CBO}, I_{CEO}, Beta; simulated AC Beta. 20,000 /v. meter reads 0-5-50 DC volts; 00-200,000 ohms and 0-20 megs; -500 μamps and 0-5-50-500 ma Plastic case, 3x5¼x6¾". With and batteries. 3 lbs.
149. *$5 Monthly*.......**25.95**
148. Model 680-W. As above, actory wired............**39.95**

ODEL 1140-K R-C COMBINATION OX KIT. Facilities for substitution rcuit of either resistance or capance, plus series or parallel comions of both. 1350 possible comions! Resistance values from 15 to 10 megs; capacitance, 0.0001 22 mfd. ±10% accuracy. Resis- are 1-watt carbon; capacitors silver-mica or molded/impreg- d plastic. 5-way binding posts. 6⅞x2$\frac{5}{16}$". Supplied less leads. . wt., 3 lbs.
111.................**14.95**
110. Model 1140-W. Above, ry wired................**19.95**

C **MODEL 950-K R-C BRIDGE KIT.** Also R-C-L comparator. Measures (4 ranges) 0.5 ohms to 500 megs and 10 mmf to 5000 mfd. Has .05 to 20 comparator range. Variable 0-500 v. DC source tests capacitors for shorts and leakage. Measures power factor of electrolytics. Less leads. 8x10x4¾". For 105-125 v., 60 cycle AC. Shpg. wt., 10 lbs.
94 U 101. *$5 Monthly*.......**23.95**
94 U 100 U. Model 950-W. Above, factory wired...............**29.95**

D **MODEL 955-K CAPACITOR TESTER KIT.** Measures capacitance, tests for shorts and opens. Wien Bridge permits in-circuit measurement (0.1-50 mfd) with shunt as low as 35 ohms. ±10% accuracy. Short test up to 2000 mfd. Open test down to 15 mmf. 8½x5¾x6". Less leads. For 105-130 v., 60 cycle AC. Wt., 3 lbs.
94 U 103 U. *$5 Monthly*................**19.95**
94 U 102 U. 955-W. Above, factory wired...**39.95**

E **MODEL 1180-K CAPACITOR DECADE BOX KIT.** 100 mmf to .111 mfd in 100 mmf steps. 350 WVDC. ±1% silvered micas. Ceramic switches. 9x3½x3½". Less leads. Wt., 3 lbs.
94 U 105..............................**17.95**
94 U 104. 1180-W. Above, factory wired....**24.95**

Model 965 R-C Bridge and R-C-L Comparator

- **Analyzes all Types of Capacitors**
- **±5% Accuracy**
- **Factory Wired**

$129.95

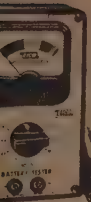
$7 monthly

Versatile RC bridge/capacitance analyzer. May also be used for reverse and transistor quiescent current measurements, insulation testing. Incorporates a 6-range DC VTVM, 11-range DC Vacuum-tube μMa meter, DC power supply for power factor measurement. Range, 5pFd to 5000 mfd. 8½x12½x9". For 115 v., 60 cycle AC. 15 lbs.
94 U 379 X. *$7 Monthly*.......**129.95**

D **955-K**

E **1180-K**

Versatile Testers for Servicemen and Hobbyists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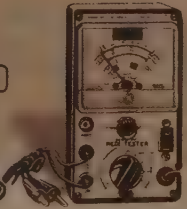

G

H

ODEL 584-K BATTERY TESTER KIT. Test-switch positions (volts): , 4.5, 6.0, 7.5, 9.0, 22.5, 45, 67.5, 75, 90, plus spare. 3½" . 6¼x3¾x2". Leads. 2 lbs.
225..................................**9.95**
228. 584-W. As above, but factory wired............**12.95**

ODEL 540-K READI-TESTER KIT. AC-DC voltmeter, ammeter, mmeter, wattmeter, leakage tester. Ranges: AC/DC volts, 15-150-300; AC/DC amps, 0-15; Resistance, 0-1000 ohms. meter. With batteries, leads. 6½x3¾x3½". 3 lbs.
231..................................**12.95**
232. 540-W. As above, but factory wired............**15.95**

ODEL 944-K FLYBACK TESTER KIT. Checks flybacks, yokes in ack-and-white and color TV sets. Grid-dip principle. 3-scale, meter. 5x8½x5". For 105-125 v., AC. 5 lbs.
229. *$5 Monthly*..............................**23.95**
230. 944-W. As above, but factory wired............**34.95**

Model 710-K Grid-Dip Meter

Kit	Wired
$29.95	**$49.95**
$5 monthly	$5 monthly

- **Covers all Broadcast, FM, "Ham" and TV Bands**
- **Precision 500-μa Meter Movement**

An excellent instrument for work in electronic servicing and Amateur radio. Operates as oscillating detector or wavemeter. Covers 400 kc to 250 mc in 8 ranges. Finds frequencies of oscillators, pretunes and neutralizes transmitters, etc. Sensitivity control; 500 μa meter; 1:7 drive ratio; phone jack; plug-in coils. 2¼x2$\frac{9}{16}$x6⅞". For 110-120 v., 60 cycle AC. 3 lbs.
94 U 223. *$5 Monthly*..............**29.95**
94 U 224. Model 710-W. Same as above, but factory wired....................**49.95**

Test Instruments for Better Servicing

A
B
"Mosquito"
C
Stethotracer

$68^85
$5 monthly

(A) Millen 90651 Grid-Dip Meter

Features 2″ meter with 7 direct-reading frequency scales and 0-100 scale. With plug-in coils covering 1.7 to 300 mc. 7x3$\frac{3}{16}$x3$\frac{3}{8}$″. For 110-120 v., 60 cycle AC. Terminals for battery operation. 3½ lbs.
94 U 324. *$5 Monthly*. **68.85**

EXTRA COILS. To extend frequency coverage. 3 oz.

Stock No.	Mfr's Type	Kc Range	EACH
94 U 325	46702	925-2000	8.25
94 U 326	46703	500-1050	
94 U 327	46704	325-600	
94 U 328	46705	220-350	

Don Bosco Pen-Size Pocket Signal Tracers

(B) "MOSQUITO." Locates defective circuits quickly and accurately. Cordless. Detachable probe. Generates audio signal rich in IF and RF harmonics. Self-contained transistor oscillator is powered by one 1.5-v. penlight battery. Can be coupled into magnetic circuits without leads. 5⅝″ long; ½″ dia. 3 oz.
94 U 301. . . . .**9.95**

(C) STETHOTRACER. Transistorized signal tracer is completely self-contained. Range is 60 cps to 200 mc. Gain is 60 db. 5⅝″ long; ½″ diameter. With earphone, three interchangeable attenuator proves, RF detector-demodulator crystal diode probes, ground clip lead and battery. Shpg. wt., 3 oz.
94 U 292. *$5 Monthly*. **34.95**

CDE

In-Circuit
Checking
Saves Time

$41^75
$5 monthly

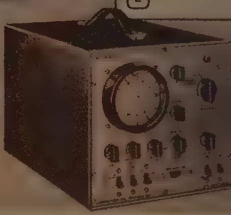
BF90 Capacitor Checker

- Magic-Eye Tube
- Checks 30 mmf to 2000 mfd
- Checks for Opens, Shorts, Intermittents

Quickly checks capacitors without removing them from circuit, by means of magic-eye tube. Checks from 30 mmf to 2000 mfd for open, short or intermittent conditions; from .1 mmf to 2000 mfd for short circuit. Can even test capacitors connected in parallel with resistance as low as 50 ohms, no need to unsolder lead. 7x10x5½″. With leads and test clips. For 110-125 v., 60 cycle AC. Wt., 7 lbs.
69 U 629 X. *$5 Monthly*. **41.75**

(D) Lab-Accurate
Capacitor
Analyzer
$99^50
$5 monthly

Color Gener
and
Vectorscop
$189^5
(E) $10 month



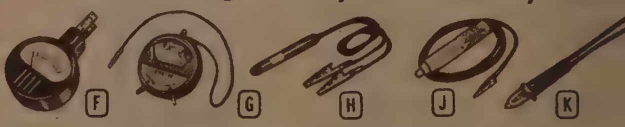
(D) Sprague TO-6 Tel-Ohmike Capacitor Anal

Five overlapping ranges of Wien bridge measure up to
mfd, including 1-pf to 100-pf range. Low bridge-voltage
for electrolytics, 2.85 for others) for safe testing of low-v
types. Checks insulation resistance of paper, micas, cer
in 2 ranges: 10 Kmeg, and 50 Kmeg. Tests for leakage
600 v., with leakage current on meter, in 4 ranges: 0-
0.6/6/60 μa. Checks power factor to 50%. Overload-prot
meter, magic-eye tube, pushbutton range selection. 8⅞x
6⅛″. For 110-120 v., 50-60 cycle AC. 12½ lbs.
65 U 655 U. *$5 Monthly*. **9**

(E) Lectrotech V-7 Color Generator/Vectorsc

As a generator, produces crosshatch patterns, dots, ve
lines, horizontal lines, and keyed color bars. As a vectors
shows phase of each color bar with respect to burst, inclu
R-Y and B-Y signals. You can center hue-range control,
demodulator alignment, determine equality of gain of re
blue amplifiers. "Dial-A-Line" lets you select horizontal
width from less than 1 scanning-line wide, up to 4 or 5.
state timing circuits can be reset using built-in indicator
Gun-killer simplifies convergence. 8¼x7½x12⅞″. For 11
v., 60 cycle AC. Wt., 15 lbs.
94 U 333 X. *$10 Monthly*. **18**

Low-Cost Voltage, Battery and Continuity Testers



(F) Emico AC Voltage Tester

Detects low or high line-voltage. 2-prong male plug fits all conventional AC wall outlets. 90° swivel-head permits easy readings from any position. Range: 0-150 v. 2″ meter has damped movement. Accuracy: ±5%. Shockproof metal case. Shpg. wt., 8 oz.
94 U 368. . . . .**3.38**

(G) Sterling Battery Testers

Pocket-size meters test dry and wet cell batteries. 2¼″ diameter, ⅝″ thick. Nickel-plated finish. ±5% calibrated accuracy. Leads. 6 oz.

Stock No.	Mfr's Type	Scale	Batteries That Can Be Tested	EACH
94 U 373	16	1.5-90V	Radio, Hearing Aid	4.05
94 U 374	24	0-35A	#6 Dry Cells	2.25
94 U 375	38A	1-2-100V	Radio, Industrial	2.70
94 U 376	44	0-10V, 0-35A	Hot Shot, #6 Dry	2.76
94 U 377	45A	0-50V & 0-50A	Ignition, Indus.	3.45

(H) Sittler Low-Voltage Tes

TYPE T-202. Low-voltage tester
cates from 5 to 50 volts, AC or
Uses incandescent lamp. With
and black leads. Wt., 3 oz.
94 U 372. . . . .

94 U 371. Type T-203. As above,
tests 2½ to 24 v., AC-DC. . . . . .

(J) AMF Pro-Glo "Circuit Tes

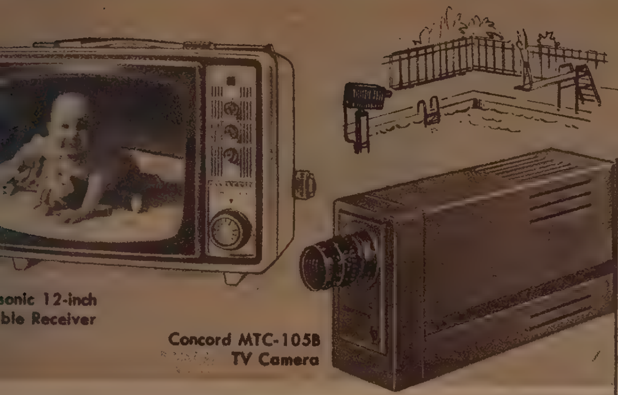
Checks continuity, shorts, gro
and opens. Dim light shows poor
nection; no light, resistance exce
ohms. 5½x¾″ dia. With bulb, bat
For dead circuits only. 2 oz.
94 U 370. . . . .

(K) G-C Neon-Glow Teste

"Neo-O-Lite" shows 60 v., AC ar
v., DC to 550 v., AC or DC.
"hot" AC leads, checks fuses,
plugs, etc. 5″ leads. 2 oz.
94 U 369. . . . .

Please Be Certain to Include Your Zip Code When Filling Out Order B

Put Closed-Circuit TV to Work in Your Home



sonic 12-inch
ble Receiver

Concord MTC-105B
TV Camera

CLOSED-CIRCUIT TV
FOR ENTERTAINMENT OR
PRACTICAL MONITORING

Camera and Receiver

$567.50 $24 monthly

- ✓ Ideal for Schools and Institutions
- ✓ Observe the Play of Your Children
- ✓ Monitor Yard, Driveway, or Gates
- ✓ See Who's at Front or Rear Door

V Camera and All-Channel 12-inch* Receiver

y Be Used With Any TV Set Manufactured From 1962 Through Current Models
nera Is Easy to Install, Just Connect to Receiver's Antenna Terminals
eiver Also Offers All-Channel Reception of UHF and VHF Broadcasts

duce" your own TV shows with family and friends, your children outdoors or in, monitor your grounds, doors closed until you *see* who's waiting. These and less other applications of closed-circuit TV are yours saving of over $31.00 off individual prices of camera receiver. The solid-state Concord MTC-105B is a ca that's a pleasure to use. Tunable to TV channels and 10, it offers good resolution even under continuous tion. Has 1", 16mm, f/1.9 lens (standard "C" mount) Class A vidicon tube. Features automatic adjustment anges in light composition. Achieves usable pictures only 5 foot-lamberts of scene brightness. Meets EIA ing standards. 25-ft. of coax cable included (see below tra cable). Camera is only 5x3x10½". Panasonic TV er is an excellent companion for the camera in a l-circuit system, also makes a fine all-channel re- of regular VHF/UHF stations. 2-stage frame-grid, nplifier achieves increased sensitivity and stability for stronger signal, even in fringe areas. "Memo" tuner requires fine-tuning only once on VHF stations. Once you tune it, you never need to retune after switching stations. Dual-speed UHF tuner dials stations just like a radio. Aluminized picture tube (*overall diagonal measurement) for extra brightness; over 75 square inches of viewing area. Has earphone for private listening, 2x6" speaker, and AGC to stabilize picture. Two antennas: 39½" telescoping VHF whip, and bow-tie that clips to whip for UHF reception. 12x16¼x10⅞". Camera and receiver from Japan. For 110-120 volts, 60 cycle AC. Shpg. wt., 31 lbs. Shipped express.

23 U 248 AL2Z. Camera and Receiver. *$24 Monthly* **567.50**

65 U 801 U. Camera Alone. Can be used with *any* 1962, or later, TV receiver. Shpg. wt., 6 lbs.............. **499.00**

24 U 275 U. TV Receiver Alone. 22¾ lbs.............. **99.95**

49 U 310. Extra Coax Cable. 4 lbs.......... **Per 100-Ft. 4.31**

Metergard Fully Protects Meters

cts meter movement against uts, bent pointers, and ged pivots. Used in all Simpson and Triplett 's. No larger than a paper itor, Metergard wires across neter from 25 μa to 25 ma, rotection against overloads to 10,000%. With instruc- Shpg. wt., 4 oz.

527.................. **2.95**

robe Jr. Volt-Amp Testers

-around voltage-ampere s provide 3% accuracy of ale. ½" conductor capacity. ge range: 0-125-250, except -600. Scale length, 1.8". ll size, 4¾x2½x1⅜". With Less leather case, below. wt., 1 lb.

ck No.	Model	Amps	EACH
U 088	Y10	0-10	22.50
U 089	Y25	0-25	
U 091	Y50	0-50	
U 092	Y100	0-100	
U 167	Y525*	0-25	22.50
U 168	Y550*	0-50	
U 169	Y500*	0-100	

105. Leather case for above........... **3.25**

Yoke Matches
All Monochrome CRTs

Model CR-118

$44.95

$5 monthly

I.E.H. 8" Tele-Check CRT Substitutor

MODEL CR-118. Portable CRT substitution unit is self-focusing. No ion-trap needed. Checks picture tubes of black-and-white TV sets, with electrostatic or electromagnetic focusing, that have 52°, 66°, 70°, or 90° yoke. Universal yoke is interchangeable. Horizontal and vertical lines on front plate help in making accurate picture adjustment. With carrying case, 60-in. CRT extension leads, connecting leads, face plate and 8XPA CRT. 12x11½x5". Shpg. wt., 12 lbs.

94 U 320 U. *$5 Monthly*.................................... **44.95**

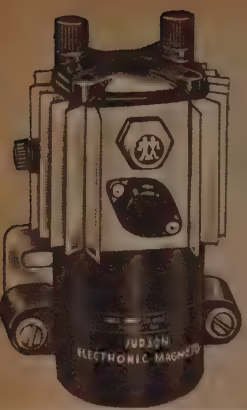
94 U 321 U. CR-168. As above, but with 8YP4 CRT and 110° universal yoke. Shpg. wt., 12 lbs. *$5 Monthly*.......................... **54.50**

94 U 322 U. CR-167. Above, less CRT. Takes 8YP4. 9½ lbs..... **28.50**

94 U 323 U. CR-168S. Same as the CR-168, above, plus a test speaker. Shpg. wt., 15 lbs. *$5 Monthly*.............................. **64.50**

94 U 334. CR-162 Accessory Kit for 110° CRTs. Permits testing 110° tubes with above units. 3 lbs.................................. **5.95**

Auto Parts for Top Performance



JUDSON

From World's Largest Builder of Automobile Superchargers

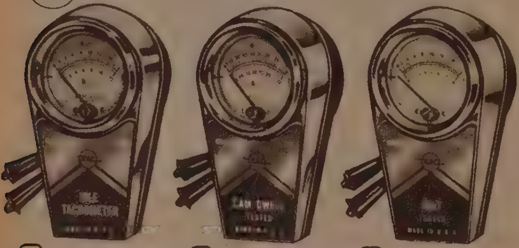
Electronic-Magneto Ignition System

$39.88 $5 monthly

- *Easy-to-Install 1-Piece Unit*
- *Heat-Resistant Silicon Transistor*

Deluxe system gives improved ignition for faster starting, outstanding high-speed performance, longer usable spark-plug and point life. Like the mechanical magneto, ignition voltage increases as engine speed increases, matching ignition requirements of engine. Even the output *waveform* is same as a magneto, reducing plug wear and giving hotter spark. Engine starts easier even in subzero weather. You can install this one-piece unit simply by transferring 2 wires from your present coil. No need to remove original ballast. Uses less current than standard ignition. For 6 or 12-v. neg. ground. 3½ lbs.
54 U 112 M. *$5 Monthly*........................**39.88**

Compact Test Instruments



A Idle Tachometer B Cam Dwell Meter C Voltmeter

$10.98 Each

Tune-it-yourself instruments for the economy-minded home mechanic. Convenient size, small enough to carry in pocket or hang from belt.

A **550 IDLE TACHOMETER TESTER.** Gives accurate 0-1200 rpm readings on 4, 6 and 8-cylinder engines for adjusting idle speed. Also usable to test air-cleaner efficiency, fuel-air ratio, cylinder balance, and to sync dual carburetors. Solid-state circuit. Zero adjust. No internal battery needed. Triple-chromed die-cast case and oil-resistant leads. For 6 and 12 volts, pos. or neg. ground. Shpg. wt., 1½ lbs.
54 U 081 M...................................**10.98**

B **551 CAM DWELL TESTER.** Indicates dwell angle of ignition breaker points for proper spark gap adjustment. Also aids in detecting contact bounce and "missing" at high speeds, spotting worn distributor parts, locating shorts and opens. Solid-state circuit. Zero-adjust. Color-coded scale. Triple-chromed case. For 6 and 12 volts, pos. or neg. ground. 1½ lbs.
54 U 082 M...................................**10.98**

C **552 DUAL-RANGE VOLTMETER.** Ideal for such uses as: checking generator output and cut-out setting; checking for high resistance, shorts and opens; detecting bad switches, relays, alternator diodes. Ranges: 0-8, 0-16 v. Meter with zero adjust, color-coded scale. Triple-chromed die-cast case. For 6 and 12 v., positive or negative ground. Shpg. wt., 1½ lbs.
54 U 083 M...................................**10.98**

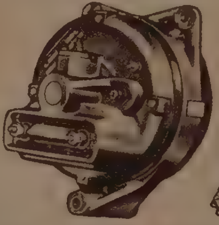
Leece-Neville

$29.95
$5 monthly

Transistorized
Ignition Systen

Gives up to 30% higher spark-plug voltage, for b
combustion, mileage. Less chance of foul or mis
high speeds, plugs stay cleaner. Points carry 1/
normal load, stopping arcing and pitting . . .
thousands of miles longer. Faster cold weather st
higher top speeds. Includes coil, amplifier, ba
resistor. 6 or 12-v. neg. ground (some cars re
Bypass Relay below). 5 lbs.
54 U 019 M. *$5 Monthly*........................**29**

54 U 048. Bypass Relay. For bypassing ignition-res
or primary resistance wire on: Chevy, 59-65; B
Cadillac, Ford, Lincoln, Mercury, Pontiac, T-
60-65; Olds, Studebaker V-8, 61-65. 8 oz..........



Series 6200 53-am
Alternator System

$59.95 $5 monthly

Replace your low-amperage factory-installed altern
or generator with this unit and keep your battery
high charge level. Provides peak 53 amps, and up t
amps at idle. Ideal for CB or Ham mobile opera
Unlike a generator, an alternator can charge your
tery even at idling speed. Weighs less than a gener
takes less space. Splash-proof windings. With regul
⅜" single pulley (not for air-conditioned cars wi
drive belts), bracket, cables. For 12 VDC neg. or
ground. Shpg. wt., 17 lbs.
54 U 039 X. *$5 Monthly*........................**59**

Transistorized Regulators for Alternato

As Low As
$12.95

MODEL 34EA. Adjustable for sum
winter. For 12-v. neg. grd. For full
Dodge, Plymouth '61-5; Chrysler, D
880, '62-5; Dart, Valiant, full-size P
'63-5; all Linc., Merc., T-Bird, '6
Tempest, '63. Shpg. wt., 2 lbs.
54 U 043...........................**12**

MODEL 33EA. Same as above, but w
separate field relay. For all Buick,
illac, Chevy, Olds, '63-5; Tempest, '
all Lincoln, Mercury, T-Bird, '63.
54 U 042. 2¼ lbs.........................**1**

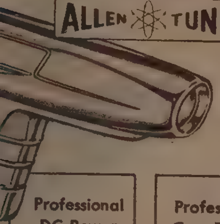
MOTOR AUTO REPAIR MANUAL

MOTOR'S Auto Repair Manu

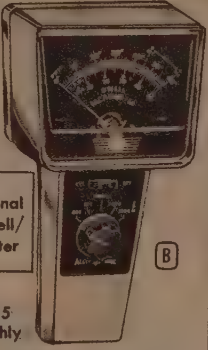
Everything you need to know to repai
2500 U.S. cars from 1958-1965 (1959
edition will be shipped when avail
Over 1300 pages with 2850 "show-me-
pictures. 8½x11". 6 lbs.
37 U 283 E...........................

Do-It-Yourself Auto Accessory Bargains

ALLEN TUNE



Professional
DC-Power
Timing Light



Professional
Cam-Dwell/
Tachometer

4 95 $5 monthly

$39 95 $5 monthly

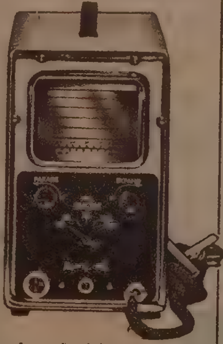
C-POWER TIMING LIGHT. Features built-in power
pply for much brighter flash than timing lights
operate off ignition coil. Checks ignition timing,
ng automatic spark advance, cam wear and sync
uble breaker arms. Operates off car battery. Flash
used and visible even in sunlight. Built-in spark
shielded flash tube prevent double firing. Auto-
ally adjusts to 6 or 12-v. DC. 6-ft. leads clip to
-plug cable and battery terminals. Chrome-plated
num case. Shpg. wt., 3½ lbs.
025 M. *$5 Monthly*........................**24.95**

AM-DWELL/TACHOMETER. Enables you to set points
exact specifications and to measure engine rpm.
ures cam angle of 4, 6 and 8-cylinder engines.
dwell readings from 0° to 60° (for 4-cyl. engines,
e 8-cyl. readings to 90°). Tachometer has dual
scale: 200-1000 rpm for precision settings (car-
or and transmission adjustments); 1000-5000 rpm
termediate and high speeds. 6-ft. leads. Chrome-
l aluminum case. 5 lbs.
022. *$5 Monthly*........................**39.95**

ALLEN TUNE

ofessional 5″ Auto-Analyzer Scope

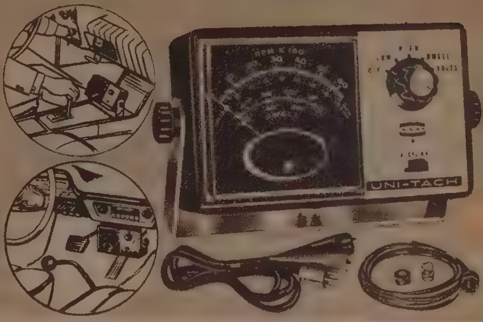
$139 95 $7 monthly



- al Display of Ignition,
gine, Mechanical Functions
- nnections Handle All Tests
- 4, 6 and 8 Cylinder Engines
- to Operate, Only 3 Controls

erns on scope help you analyze ignition system,
ne performance and various mechanical functions.
nnections handle all tests: to distributor primary,
lo. 1 plug socket and to coil high-tension wire.
tor for choice of primary, secondary, 15-kv and
y patterns. Expand control spreads pattern for
ls of each firing cycle and each cylinder. Parade
rol for positioning complete ignition pattern, or an
nded portion. Range: 0-30 kv. Dwell: 0-60°. Checks
es at 250-2500 rpm. 11¼x9x16″. For 115 v., 50-60
AC. 28 lbs.
045 U. *$7 Monthly*........................**139.95**

046. Timing Light. Use only with Analyzer above
ne ignition, check breaker arms, automatic advance
cam wear. 9′ cord. 1 lb........................**9.98**



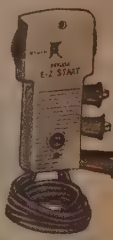
Uni-Tach Tachometer/Dwell/Voltmeter

$44 95
$5 monthly

- Monitors Car Performance While You Drive
- Switch Selection of RPM, Dwell, Voltage
- Converts to Tune-Up Tester in 20 Seconds

Versatile instrument mounts on dash or console for monitoring engine rpm's, dwell angle and battery output—at the turn of a switch—for an indication of point condition, engine timing, cranking and charging voltage. Converts to a tune-up tester by removing from dash and plugging in auxiliary test leads. Prewired plug-in cable with only 3 car connections to make. Tach is useful for carburetor adjusting, setting idle speed; 0-1600 and 0-6400 rpm scales. Dwell meter for point adjusting, checking breaker plate and distributor wear. Voltmeter reads 0-16 v. for testing batteries, regulator, generator. For 4, 6 and 8 cylinder 4-cycle engines; 6 and 12-v., pos. and neg. ground. Black case with aluminum panel, 6¼x3¾x2″. With installation kit, prewired cable, aux. leads, tune-up log, instructions. Shpg. wt. 4 lbs.
54 U 015 M. *$5 Monthly*........................**44.95**

RAC Keyless E-Z Start $4 88



- Cranks, Starts, Runs, Turns Off Engine
- No Need for a Second Man
- Saves Time

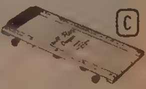
Combination remote starter/ignition switch "starts" car without key! Lets you turn on ignition, start motor, and turn off ignition from under hood. Extra-long leads. Shockproof case. Shpg. wt., 2 lbs.
54 U 114........................**4.88**

Knight Professional Torque Wrench

$10 98

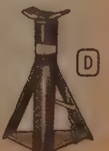
0-150 foot-pounds. Pivoted handle permits concentrated load position for accuracy with adapters and extensions. Std. ½″ sq. drive. 19″ lever length. 2% accuracy. With torque specs on U.S. and foreign cars, small engines, tractors, trucks, aircraft, heavy equipment. 2¼ lbs.
54 U 037 X........................**10.98**

C Mechanics Creeper



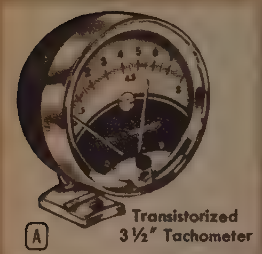
For smooth maneuvering and comfort on long jobs. Has hardwood frame and plywood body. Foam headrest. 3″ dia. iron casters; lock rings. Size, 36x16¼″. Shpg. wt., 12 lbs.
54 U 035 X........................**7.29**

D Chassis Stand

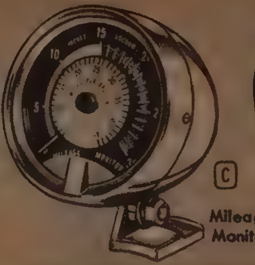


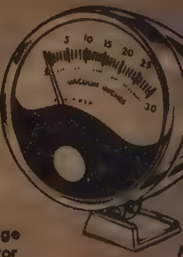
Has double-strength collar. Steel lock-pin height adjustment. Steel rivets. 3-ton capacity. Opens to 19″, closes to 13″. Shpg. wt., 9¼ lbs.
54 U 036 X........................**4.95**

Low-Cost Accessories for Better Driving


A Transistorized 3½″ Tachometer

B Transistorized 2″ Tachometer


C Mileage Monitor



Easy-to-Read Dashboard Instruments

A 3½″ TRANSISTORIZED TACHOMETER. Shows the way to smoother gear shifting with no lugging, maximum engine efficiency and power transfer, plus better gas mileage. Illuminated 3½″ dial reads 0-8000 rpm. You set 2nd pointer to show when to shift. Accurate d'Arsonval meter. Transistorized circuit is zener diode controlled, overload protected. For 6 or 8-cylinder, 4-cycle engines, pos. or neg. ground. With universal mounting bracket. 1½ lbs.
54 U 018 M. *$5 Monthly*.... **19.95**

C DELUXE MILEAGE MONITOR. Shows 5-45 miles per gallon plus 0-30″ of mercury manifold pressure. Bourdon tube pressure movement with 270° range. Mileage monitor helps you find cruising speed yielding best mileage. Backlighted dial with color-keyed scale. All chrome case. With mounting bracket, tubing, etc. Shpg. wt., 2½ lbs.
54 U 085 M............... **14.95**

B 2″ TACHOMETER. Keep watch on engine rpm's so you can operate engine at maximum efficiency for best gas mileage and performance. Illuminated dial reads 0-8000 rpm. An adjustable indicator can be set to show you when to shift. Universal mounting bracket for steering column, under dash or top of dash. Chromed and black case. With instructions. For positive or negative ground. Wt., 1 lb.
54 U 087 M. For 8-Cyl. Car.... **14.95**
54 U 088 M. For 6-Cyl. Car.... **14.95**

D DELUXE MOTOR MONITOR. Shows operating range to obtain best gas mileage. Spots engine conditions requiring attention, or when a tune-up is due. Reads Poor-Fair-Good-Idle-Decelerate. Color-keyed scale for readings at a glance. Housed in all chrome case. 3″ diameter. With all mounting hardware and instructions. Shpg. wt., 1½ lbs.
54 U 084 M............... **10.98**

Tachometer/Oil Pressure/Temp/Ammeter Gauges

Complete
$29.95
$5 monthly

- Warns of Trouble
- Illuminated
- Chrome and Walnut

Eliminates the guesswork of factory-installed warning lights. Indicates trouble before it really gets started. Ammeter reads −60 to +60 amps. Oil pressure gauge, 0-80 lbs. Water temperature gauge, 100-250°. Tachometer, 0-8000 rpm. Chromed bezels, chromed die-cast frame, walnut vinyl insert. Complete with wire, coupler, hardware, bulbs, instructions. For 8-cylinder cars with 12-volt systems. Shpg. wt., 3 lbs.
54 U 086 M... **29.95**

$13.95 **Ammeter/Oil/Temp Gauge Kit**

Illuminated dials. Ammeter reads −60 to +60 amps. Oil pressure gauge, 0-80 lbs. Water temperature gauge, 100-250°. Chromed die-cast frame, chromed bezels, walnut vinyl panel. With wire, hardware, bulbs. For 12-v. systems. 2 lbs.
54 U 124 M............... **13.95**

$5.95 **Ammeter/Oil Pressure Kit**

Helps protect you from costly repairs. Illuminated dials. Ammeter reads −60 to +60 amps; oil pressure gauge, 0 to 80 lbs. Stamped metal frame with walnut insert. With wire, fittings, bulb, terminals. For 6 or 12-v. 1½ lbs.
54 U 125 M............... **5.95**

Compass E

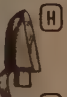
F Altimeter

Motor

E ILLUMINATED COMPASS. Dual
—top and side. White numera
black. Eight compass points plus
divisions. Pushbutton illumin
with battery, no wires to con
Universal swivel mtg. bracket.
dia. white case. Shpg. wt., 1 lb.
54 U 111 S....................

F MOTORIST'S ALTIMETER. "
Mag" movement gives 2½
greater pointer deflection. Rea
14,000′. 100 or 200′ markings bet
main indications. 3¼″ white case.
versal swivel mount. 1 lb.
54 U 110 S....................

G MOTOR MONITOR. Constantly
engine. Reads 0-30″ vacuum
lbs. pressure. 2½″ meter, 4-color
Ranges: Power (pick up); Dr
(economy); Idle; Coasting. Steel
Dash mount. Wt., 1¼ lbs.
54 U 034...................



H HOOD LIGHT. Auto
cally lights engine
when hood opens. With
fittings. For 12-v. 5 oz.
54 U 032..........

J TRUNK LIGHT. Light
on when trunk opens.
bulb, fittings. For 12-v.
54 U 031. 6 oz..........

Auto Mirrors

K 5″ ROUND. Adapter bar fits ori
holes. Adjusts for body or fe
right or left side. Chromed.
wt., 1½ lbs.
54 U 089.....................

L 3¼x5¾″ RECTANGULAR. With
versal adapter. 3 lbs.
54 U 090.....................

The Latest in Selected Auto Needs

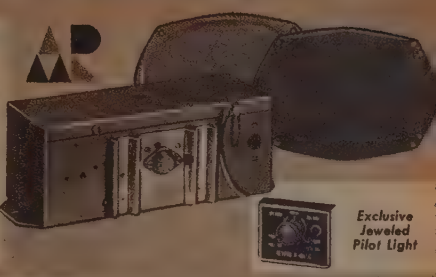
tomatic Radio "Reverb-A-Matic" Speaker System

ates Exciting "Stereo" Effect in Your Own Car
able All-Transistor Circuit • Easy-To-Install

$27.95 $5 monthly

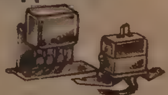
s sound from your radio for fraction of a second, passes it gh amplifier, and reproduces it through rear-deck speaker, rilling stereo effect. Includes: reverberator/amplifier, 6x9" er, grille, wire harness and volume control panel with light w when system is on. ('64 Pontiac and Olds with Delco radios e transformer below.) For 12-v. 6½ lbs.

027. *$5 Monthly*....................27.95
028. Transformer. Shpg. wt., 1 lb....................**1.49**


Exclusive Jeweled Pilot Light

RAGUE Alternator Noise Suppressors

Radio
ine"
tive
400 Mc
• Easy-To-Install



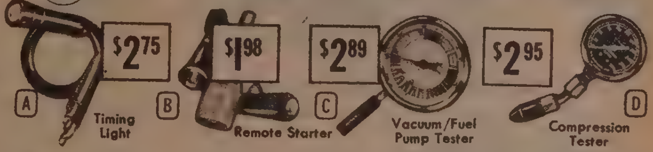
ess alternator-caused interfe to CB, Ham, and commercial e transceivers. Provide effective ession through 400 mc. Wellered L-C networks and/or heavy- thru-pass capacitors handle and eliminate siren-like whine by alternator. Stand up under uous operation in hot engine rtments. Each "Suppressikit" s of an alternator noise filter voltage regulator noise filter. Fit newer vehicles through the 1966 year. No soldering.

21. SK-10. For Chrysler Corp. s. 3½ lbs....................**16.92**

22. SK-20. For Ford Motor Co. s. 3½ lbs....................**25.98**

23. SK-30. For General Motors s. 3½ lbs....................**24.14**

Set of Four Useful Repair Accessories



Complete Set of 4 **$9.88** **Save on Set**

- Check Ignition Timing and Automatic Spark Advance
- Check Idle Adjustment, Rings, Gas Line, Muffler
- Check for Leaky Valves or Cylinder-Head Gasket

COMPLETE SET OF 4. Includes Timing Light, Remote Starter, Vacuum and Fuel Pump Tester, and Compression Tester. 5½ lbs.
54 U 113 X. Save 69c....................**9.88**

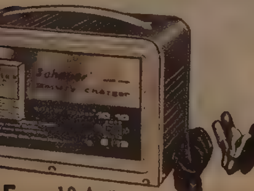
[A] **TIMING LIGHT.** Helps locate ignition problems, synchronize double points, test automatic spark advance. For 6, 12, 24 v. 1 lb.
54 U 012....................**2.75**

[B] **REMOTE STARTER.** Indispensable when you work alone. Lets you crank engine from outside. Oil and gasoline-resistant 48" leads. 1 lb.
54 U 011....................**1.98**

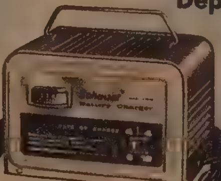
[C] **VACUUM AND FUEL PUMP TESTER** Checks idle adjustment, leaky valves and gas line, defective rings, choked muffler. 2½" dial indicates 0-30" vacuum and 0 to 7 lbs. pressure. With 3½-ft. hose, fittings. Shpg. wt., 1½ lbs.
54 U 014....................**2.89**

[D] **COMPRESSION TESTER.** Pinpoints trouble due to leaky valves, rings or cylinder-head gasket. Easy-to-read 2½" dial reads 0-300 lbs. pressure. Universal cone fits all spark plug holes. Has offset stem. Shpg. wt., 1½ lbs.
54 U 013....................**2.95**

Dependable Schauer Battery Chargers

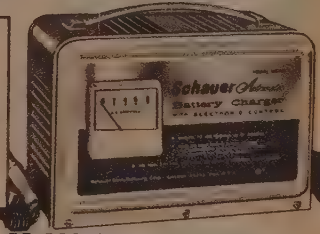


5 **10-Amp Charger**



$9.95 **4-Amp Charger**

$18.95
- Automatically Shuts Off, Starts Trickle Charge
- For 12-Volt Batteries



612 10-Amp Charger

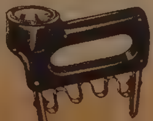
harges 6 or 12-volt batteries 2 to 6 hours. Automatic cireaker prevents overloads. Amhows charge. Gold-color steel ⁄₈x6x6½". For 110-120 v., 60 C. Shpg. wt., 11 lbs.
0....................**15.95**
9. B-6612 6-Amp Charger. s in 3-7 hrs. 9 lbs.......**11.95**

TTERY CELL TESTER. Tests car battery individs under load simulated by shunt between 3-0-3 v. meter with Bad-Weak-Good scale. t., 2 lbs.
1....................**4.49**

A-6612 4-Amp Charger

Recharges the average 6 or 12-volt battery in from 5 to 14 hours. Switch for quick voltage selection. Automatic circuit breaker protects against overloads. Accurate ammeter. Gold-color steel case, 7¼x4½x5". For operation from 110-120 v., 60 cycle AC. Shpg. wt., 5 lbs.
54 U 008....................**9.95**

$4.49

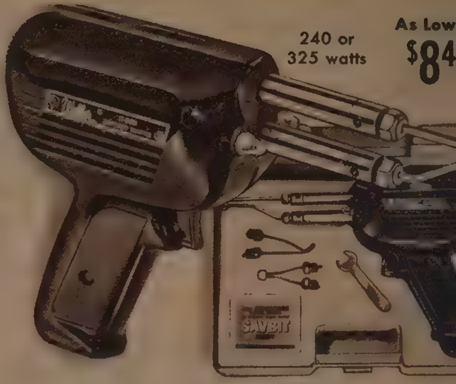


BR-112 Automatic Charger

This 6-amp charger for 12-volt batteries operates without attention. Boasts built-in electronic control. When battery is fully charged, the charging current automatically shuts off. Then a safe, maintaining ("trickle") charge rate is introduced, that keeps battery fully charged until charger is turned off. Ammeter shows exact charge entering the battery. Gold-color steel case with aluminum and maroon front panel. 9⅜x6x6½". For 110-120 v., 60 cycle AC. Shpg. wt., 9 lbs.
54 U 004....................**18.95**

Weller DUAL-HEAT Soldering Equipment

100 or
140 Watts
As Low As
$5⁸³
SAVBIT



100/140-Watt "Expert" Soldering Kit

- Gun, 3 Tips, Wrench, Brush, Aid-Tool, Case and Solder
- Lightweight Dual-Heat Gun Delivers 100 or 140 Watts
- Instant Heat • For Professional or Home Use

MODEL 8200PK. Soldering kit provides everything you need for fast and easy professional or household-type soldering. And the cost is exceptionally low. Kit includes: Weller Model 8200 U.L. Listed 100/140 dual-watt soldering gun; high-impact plastic utility case; 3 soldering-gun tips; tip-changing wrench; nylon cleaning brush; solder-aid tool; coil of solder; and instruction book. Gun provides high and low temperatures for greater soldering convenience, longer tip life. Premium-plated copper tips assure superior heat transfer. Compact gun is perfectly balanced. Prefocused spotlight illuminates work area. For 110-120 v., 60 cycle AC. Shpg. wt., 2½ lbs.

51 U 059. 3-Up........Each 5.83   1-2........Each 6.57

240/325-Watt Heavy-Duty Soldering Ki

- Deluxe . . Our Finest Soldering Gun Outfit
- Kit Includes Gun, 3 Tips, Wrench, Solder and Case
- 240/325-Watt Dual-Heat Gun Gives Instant Heat

MODEL D550 PK. Versatile kit with heavy-duty gun fo
tough jobs. Includes: Weller Model D-550 U.L. I
240/325 dual-watt soldering gun; high-impact p
utility case; 3 tips—soldering, cutting, and smoothing
changing wrench; coil of all-purpose solder; helpfu
struction book. Two trigger positions on gun provid
soldering temperatures for added convenience an
creased tip life. You can switch instantly to best heat s
to job. Premium-plated copper tips provide greater
transfer, less heat loss. Prefocused dual spotlight il
nates soldering area. Gun is perfectly balanced.
110-120 v., 60 cycle AC. Shpg. wt., 7¼ lbs.

51 U 057. 3-Up........Each 8.48   1-2........Each

Weller Soldering Guns for Light, Medium, and Heavy-Duty W

Includes Tip
As Low As
$4²⁶
100 or
140
Watts

100/140-Watt Dual-Heat Gun

MODEL 8200. Trigger selects 100 or 140 watts. Warms up instantly. Focused spotlight illuminates work area. Compact and lightweight. Includes copper tip. U.L. Listed. For 110-120 v., 60 cycle AC. 2¼ lbs.

51 U 058. 3-Up Ea. 4.26   1-2 Ea. 4.56

Includes Tip
As Low As
$6⁵²
145 or
210
Watts

145/210-Watt Medium-Duty Gun

MODEL D-440. Trigger selects 145 or 210 watts for more heat transfer than gun at left. Warms up instantly. Dual prefocused spotlights. Includes efficient copper tip. U.L. Listed. For 110-120 v., 60 cycle AC. 3 lbs.

50 U 497. 3-Up Ea. 6.52   1-2 Ea. 7.30

Includes Tip
As Low As
$7¹⁵
240
32
Wa

240/325-Watt Heavy-Duty

MODEL D-550. Trigger selects 2
325 watts for tough soldering
Air-cooled transformer, gun stay
Dual spotlights. Includes coppe
U.L. Listed. For 110-120 v., 60
AC. 4 lbs.

50 U 496. 3-Up Ea. 7.15   1-2 Ea

Versatile Accessory Tips

Average shpg. wt., 3 oz.

Stock No.	Type	Descrip.	For Models	EA.
50 U 516	6110	Cutting	WS-100, WD-135, S-400, D-440	35¢
50 U 517	6120	Smoothing	8100 (B), 8200	35¢
50 U 518	6130	Cutting	WS-200, S-500,	35¢
50 U 521	6140	Smoothing	D-550, 8250A	35¢

Replacement Tips. 2 per pkg. 3 oz.

Stock No.	Type	Use With Models	PKG.
50 U 476	7135	WS-100, WD-135, S-400, D-440, 8100	25¢
50 U 475	7250	WS-200, WD-250, S-500, D-550, 8250A	35¢
50 U 477	7300	S-107, D-207. Not interchangeable with above.	25¢
50 U 209	8125	8100B, 8200	35¢

Replacement Parts

Types 7325 and 7417 are nuts fo
necting tips to gun. Type 732
trigger switch. Wt., 3 oz.

Stock No.	Type	Use With Models
50 U 491	7325	D-440, S-440, 8100, 8100B, 8200
50 U 494	7417	D-550, S-500, 8250A
50 U 493	7324	All Dual-heat types

"Space Age" Soldering Equipment by WEN

450 "All" Gun

With ATR

Includes
avy-Duty Tip

As
Low
As $9.29

"ATR" Automatic Thermal Regulation
Automatically regulates heat to suit the task. Uses high-temperature magnet wire developed specially for our space-age missile program. Efficient guns deliver heat power indicated, on far less current "draw."

Includes 4 Tips

As
Low
As $7.97

New "Hot Rod"
Soldering Kit

-450 Watt Light-Heavy
y Gun, 3 Heat Ranges

. 450. Instant-heating. Auto-
lly adjusts for any soldering
m delicate to tough. Offers
ranges depending on tip:
watts with optional 45F7;
) watts with optional 45M7;
) watts with 45A7 (supplied).
d spotlight. 9¼" long. U.L.
S.A. Listed. For 110-120 v.
e AC. 3 lbs.
74. 1-2 . . . . Each 9.97
. . . . Each 9.29

B 25-200 Watt Kit With New Light-Medium Duty Gun

MODEL 222K5. Includes 222 gun with ATR; 45F7 25-100 watt tip; 45M7 100-200 watt tip; 45P57 smoothing tip; 45S7 cutting tip; coil of solder; case. Gun similar to unit at left, but 2 ranges (not for 45A7 200-450 watt tip). 11" lg. 4 lb.
50 U 023. 1-2 . . . . Each **8.79**
3-Up . . . . Each **7.97**
GUN ALONE. With 45M7 tip. 2¼ lbs.
50 U 022. 1-2 . . . . Each **5.83**
3-Up . . . . Each **5.30**

Replacement Tips For Wen Guns

ODELS 450 AND 222. Light
25-100W; medium, 100-
heavy, 200-450W. *For
450 only. 2 oz.

lo.	Type	Tip	EA.
5	45F7	Light-duty	98¢
6	45M7	Medium-duty	98¢
7	45A7	Heavy-duty*	98¢
8	45P57	Smoothing	45¢
9	45S7	Cutting	45¢

DDEL 75. Av. shpg. wt., 4 oz.

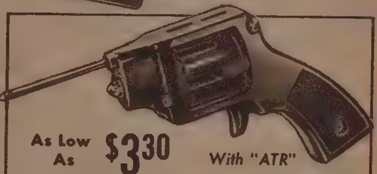
9	75A7	Standard solder	70¢
I	75B7	Fine point	70¢

FOR MODEL 250. *Special long life tip. Av. shpg. wt., 2 oz.

Stock No.	Type	Tip	EA.
50 U 424	25-A-4	Standard solder	17¢
50 U 425	25-X-20	Feroloy*	35¢
50 U 428	25-C-1	Cutting	35¢
51 U 028	25-F-33	Smoothing	42¢

FOR MODELS 100 AND 199. 2 oz.

Stock No.	Type	Tip	EA.
50 U 435	19-B-4	Standard solder	35¢
50 U 426	19-C-1	Cutting	42¢
51 U 027	19-F-33	Smoothing	42¢

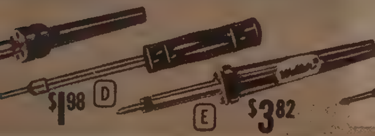


As Low As $3.30 With "ATR"

Model 75 Soldering Pistol

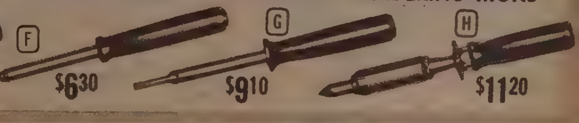
Efficient unit with Automatic Thermal Regulation. Produces heat of 100-watt device from peak surge rating of only 50 watts and normal draw of just 30 watts—automatically, no switching. Instant heat. Heavy copper tip permits repeated dressing down. Has spotlight. Single set-screw for fast tip replacement. With standard tip. U.L. and C.S.A. Listed. For 110-120 v., 60 cycle AC. 1¼ lbs.
51 U 479. 3-Up Ea. 3.30 1-2 . . . **3.64**

LL, WELLER 25-75 WATT UNITS



$1.98 $3.82

AMERICAN BEAUTY 60-200 WATT SOLDERING IRONS



$6.30 $9.10 $11.20

Wall 863 40-Watt Pencil

"Radioman" is excellent for
printed-circuit and miniature
Element develops 800°F tip
ture fast. With 3/16" copper tip
nd. U.L. Listed. For 110-120
r DC. 6 oz.
9. . . . . **2.68**
6. Extra Element. 2 oz . . . . . **69¢**
7. Extra Tip. 2 oz . . . . **36¢**

Wall 186-P 75-Watt Iron

cost, yet withstands hard
Medium-duty iron includes
ble 3/16" copper tip. Element
heats tip to 860°F tempera-
15/8" long. U.L. Listed. For
v. AC or DC. 12 oz.
6. . . . . **1.98**
7. Extra Tip. 2 oz . . . . **45¢**

E Weller W-P 25 Watt Pencil

For light work. Plastic handle stays cool. With ⅛" plated tip. For 110-120 v., 60 cycle AC. 8 oz.
51 U 465 . . . . **3.82**

Stock No.	Type	Description	Wt.	EA.
51 U 033	ST-1	Extra 1/16" tip	3 oz.	.56
51 U 034	ST-2	Extra 3/32" tip	3 oz.	.56
51 U 035	ST-3	Extra ⅛" tip	3 oz.	.56
51 U 036	HE-1	Extra Element	4 oz.	1.91

American Beauty
F Light-Duty 3128, 60 Watts

Nickel-chrome element. ¼" copper tip, stand. 12¼" lg. Extra parts below. U.L. Listed. For 110-120 v., AC-DC.
50 U 514. Wt., 1 lb. **6.30**
50 U 890. 9272 Element. 6 oz. . . . **3.50**
50 U 515. 3728 Diamond Tip. 3 oz. . **39¢**
50 U 895. 3728S Chisel Tip. 3 oz. . . . **39¢**

AMERICAN BEAUTY IRONS

G General 3138, 100 Watts

Nickel-chrome element. Cooling baffle. ⅜" copper tip, stand. 12⅞" long. Extra parts below. U.L. Listed. For 110-120 v., AC-DC. 2¼ lbs.
50 U 504. . . . . **9.10**
50 U 892. 9273 Element. 6 oz. **4.00**
50 U 505. 3738 Diamond Tip. 3 oz. . . **56¢**
50 U 896. 3738S Scrwdrvr. Tip. 3 oz. 56¢

H Medium-Heavy 3158, 200W

Nickel-chrome element. Cooling baffle. ⅝" copper tip, stand. 13⅝" long. Extra parts below. U.L. Listed. For 110-120 v. AC-DC. 3 lbs.
50 U 501. . . . . **11.20**
50 U 893. 9275 Element. 6 oz. **5.60**
50 U 503. 3758 Diamond Tip. 3 oz. 1.33
50 U 897. 3758C Chisel Tip. 3 oz. . . **1.33**

Ungar®

7070 "Technicians" Soldering Kit

As Low As $\$3^{44}$

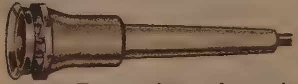
Ideal For The Electronic Hobbyist

Features the New 777 Pastel-Colored Handle

Complete soldering kit. Consists of: 1237 heating unit (37½ watts) with pastel-color handle; 3 interchangeable, thread-on copper tips (pencil, chisel, and pyramid); tin of anti-seize; spool of 60/40 rosin-core solder. Super-cool handle is of polypropylene . . won't crumble or "dust." U.L. Listed. For 115 v., AC-DC. 10 oz.

50 U 036. 1-5. . . . . Each **3.52**
6-Up. . . . . Each **3.44**

776 and 777 Handle and Cord



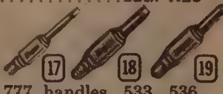
TYPE 776. For exacting work on printed circuits, miniature, and subminiature systems. Cool-to-hold 776 accepts a variety of thread-in elements, tips and Tiplets. Spring socket holds tip firmly in place, can't wobble or give. Ceramic and glass internal insulation. Stainless steel deflector. Cork grip and thermo-stabilized phenolic body. With 6-ft. polyvinyl cord. 5" long. Less element and tip, below. U.L. Listed. Wt., 4 oz.

50 U 304. 1-9. . . . . Each **1.22**
10-Up. . . . . Each **1.09**

TYPE 777. Same as the 776 handle, described above but made of pastel-colored polypropylene that won't crumble or "dust." With 6-ft. polyvinyl cord. 5" long. Less element and tip, below. U.L. Listed. 4 oz.

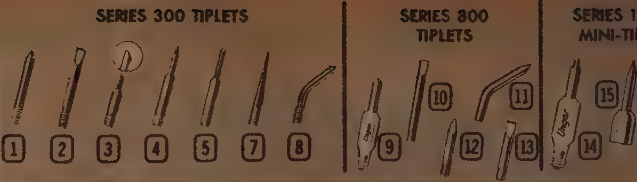
50 U 029. 1-9. . . . . Each **1.47**
10-Up. . . . . Each **1.25**

Elements With Tips



Fit 776 and 777 handles. 533, 536, 539, 1233, copper alloy tip; 1236 and 1239, silver-plated iron; 4033, 4036, 4039, silver-plated iron-clad copper alloy. U.L. Listed. 115v., AC-DC. 2 oz.

Stock No.	Type	Fig.	Tip	EA.
23½ WATTS—650-700° F.				
50 U 400	533	17	Chisel, 1⅝x3/16"	1.13
50 U 478	536	19	Pyramid, 1⅛x5/16"	1.13
50 U 479	539	18	Chisel, 1⅛x5/16"	1.13
37½ WATTS—750-800° F.				
50 U 401	1233	17	Chisel, 1⅝x¼"	1.34
50 U 480	1236	19	Pyramid, 1⅛x5/16"	1.34
50 U 481	1239	18	Chisel, 1⅛x⅜"	1.34
47½ WATTS—850-1000° F.				
50 U 498	4033	17	Chisel, 1⅝x¼"	2.47
50 U 499	4036	19	Pyramid, 1⅛x⅜"	2.47
50 U 500	4039	18	Chisel, 1⅛x⅜"	2.47



"Standard Line" Soldering Tools

SERIES 300 ⅛" O.D. THREAD-IN TIPLETS. For subminiature work. Thread into 535, 1235, 4035 elements (right). Silver-plated, iron-clad copper alloy tips, except *unplated copper. 1" long, except PL-332 and 332, 1¼"; PL-340, ⅝". PL-338, 7154, 7155 have 1/16" point; PL-340, 3/64" point. 7154, 7155 are Micro-Tiplets. 2 oz.

Stock No.	Type	Fig.	Description	EA.
50 U 469	PL-331	1	pencil	47¢
50 U 483	331*	1	pencil	17¢
50 U 470	PL-332	8	offset pencil	47¢
50 U 484	332*	8	offset pencil	17¢
50 U 471	PL-333	2	chisel	47¢
50 U 485	333*	2	chisel	17¢
50 U 101	PL-338	7	tapered needle	47¢
50 U 409	PL-340	3	Micro-spade	47¢
50 U 755	7154	4	stepped pencil	47¢
51 U 068	7155	5	stepped chisel	47¢

SERIES 800 3/16" O.D. TIPLETS. Above but 3/16" shanks for high heat transfer. Use with 4045 element, right. Silver-plated except *unplated. 1" long except PL-833 and 834, 1¾" long taper. 2 oz.

50 U 410	PL-823	11	pyramid	51¢
51 U 023	823*	11	pyramid	17¢
50 U 411	PL-824	13	chisel	51¢
51 U 024	824*	13	chisel	17¢
50 U 412	PL-833	10	chisel	78¢
50 U 413	PL-834	12	offset chisel	78¢

SERIES 100 ⅛" O.D. THREAD-ON
TIPS. For 4037 or 1237 element
long. Silver-plated iron-clad
alloy tips, except *unplated. 2 o

Stock No.	Type	Fig.	Descriptio
50 U 404	PL-111	15	pencil
50 U 406	111*	15	pencil
50 U 405	PL-113	16	chisel
50 U 407	113*	16	chisel
50 U 040	PL-114	3	micro-spad
50 U 041	PL-116	11	pyramid
50 U 048	116*	11	pyramid

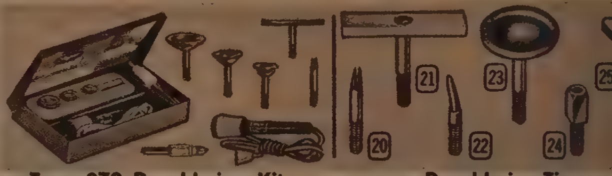
9 **THREAD-IN ELEMENTS.** For T
Fit 776 and 777 handles. Al
9. 535, 1235, 4035 fit 300 Tiplets
fits 800 Tiplets and desoldering
Shpg. wt., 4 oz.

Stock No.	Type	Tip Temp.	Watts
50 U 482	535	600-650°F	23½
50 U 488	1235	700-750°F	37½
50 U 490	4035	800-850°F	47½
50 U 105	4045	800-850°F	47½

14 **THREAD-ON ELEMENTS.** For
thread-on Mini-Tips. Nickel-
copper alloy. For 110-120 v., AC
Shpg. wt., 2 oz.

50 U 403	4037	[illegible]	47½
50 U 402	1237	750-800°F	37½
50 U 593	537	600-650°F	23½

Desoldering Tools, Iron Holders and Cord Coiler

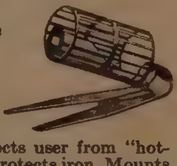


Type 270 Desoldering Kit

For rework on PC boards. Includes: 776 handle, 6-ft. cord, 4045 element, 3 cup-shaped desoldering tips, slotted desoldering tip, bar tip, plus 1½x7¾x4⅞" metal case. 1¼ lbs.

50 U 109. . . . . **6.13**

Soldering Iron Holders



Heavy Duty $\$1^{57}$

Wire guard protects user from "hot-tip" burns. Also protects iron. Mounts anywhere on bench or on wall. Adjustable angle. Shpg. wt., 8 oz.

50 U 606. For "Standard Line". . . **1.57**
50 U 702. For Imperial Irons. **1.57**

Desoldering Tips

Remove printed-circuit compo
70% faster than ordinary tips.
solder on all terminals simultane
preventing breaking and shortin
use only with 4045 element, s
Cups melt solder on sockets—u
for 8, 9-pin; 855 for 7, 8-pin; 8
5-pin. Slotted unit for tabs. Offs
close-to-board work. Bar for mu
straight-line melting. Triangl
electrolytics. Drilled cube re
center pins of tube sockets and
ness leads. Av. wt., 2 oz.

Stock No.	Type	Fig.	Type Tip
50 U 417	858	21	bar
50 U 414	854	23	1" cup
50 U 415	855	23	¾" cup
50 U 416	856	23	⅝" cup
50 U 108	857	20	slotted
50 U 419	862	22	offset slotted
50 U 418	861	25	triangle
50 U 420	863	24	drilled cube

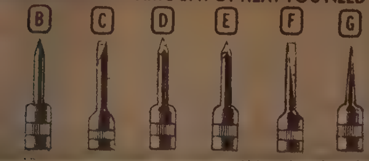
"Coil-A-Cord" Accessory for Soldering Convenience

97¢

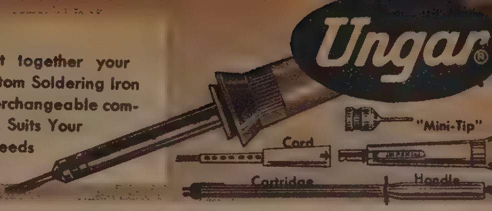
Makes soldering a much easier job by coilin
cord and keeping it out of the way. For both Sta
Line and Imperial. Shpg. wt., 2 oz.
51 U 069. . . . .

Soldering Tools on This Page for 110-120 Volts, AC o

OSE THE TIP AND AMOUNT OF HEAT YOU NEED



You put together your own custom Soldering Iron with interchangeable components. Suits Your Exact Needs



Imperial Components for Customized Soldering Irons

"Long-Life" Heat Cartridges

nless Steel. U.L. Listed. For 115 v. AC-DC. 1 oz.

ck No.	Type	Watts	1-9, EACH	10-Up, EACH
U 049	6207	100	5.85	4.79
U 025	6203	60	3.82	3.32
U 622	6200	40	3.37	2.86
U 623	6201	30	3.37	2.86
U 624	6202	25	3.37	2.86

Interchangeable Thread-On "Mini-Tips"

above. *24-kt. gold plated, iron-clad; †copper. 2 oz.

No.	Type	Fig.	Description	Size	EACH 1-9	EACH 10-Up
625	6304	A	*Micro-chisel	3/64x1/2"	83¢	71¢
627	6312	B	†Pencil	1/8x3/4"	31¢	27¢
631	6318	C	†Long taper chisel	1/8x3/4"	31¢	27¢
632	6319	C	*Long taper chisel	1/8x3/4"	83¢	71¢
633	6324	D	†Long taper pyramid	1/8x3/4"	31¢	27¢
634	6325	E	*Long taper pyramid	1/8x3/4"	83¢	71¢
636	6331	F	*Screwdriver	1/8x3/4"	83¢	71¢
637	6333	G	*Needle	1/8x3/4"	83¢	71¢
050	6520	.....	†100-w. cart. chisel	1½x1½"	97¢	79¢

Plug-In Power Cords

6102. 6-ft., 2-wire power cords for heat cartridges. ch handles, right. U.L. listed. For 115 v. AC-DC. 3 oz.

ck No.	Color	1-9, EACH	10-Up, EACH
U 683	Beige	1.33	1.14
U 684	Ivory	1.33	1.14
U 619	Turquoise	1.33	1.14

"Perma-Cool" Handles

TYPE 6100. Functional handles weigh only 1 oz. Fit heat cartridges, at left. Double cushion of air and five heat-transition surfaces for cool operation. Made of poly-carbonate resin, have die-cast aluminum heat sink. 4.7" long 0.8" diameter at grip. Shpg. wt., 2 oz.

Stock No.	Color	EACH 1-9	EACH 10-Up
50 U 616	Beige	1.25	1.07
50 U 617	Ivory	1.25	1.07
50 U 618	Turquoise	1.25	1.07

New 40-Watt Soldering Kit

Featuring IMPERIAL Components

As Low As $5.69

MODEL 6010. Imperial soldering kit includes: 40-Watt Cartridge; 3 Mini-Tips (Long Taper Chisel, Pyramid, Micro Chisel); Imperial Handle; 2-Wire Cord. For 110-120 v. AC-DC. U.L. Listed. 8 oz.

50 U 053. 1-5.....Each 5.76 6-Up.....Each **5.69**

ANTEX

iature Soldering Iron

for
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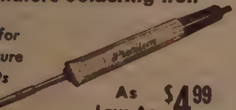
's



As Low As $4.99

L C-115. Feather-light sol- g iron weighs less than an . Just the thing for crit- ork on miniature circuits. to operating tempera- 720°F) in 45 seconds. 50- insulation between ele- and tip. Choice of 2 or 3- cord plug. 6½" long. For 20 v., AC. From England. wt., 2 oz.

461. 2-Prong... Each **5.54**
.... Each **4.99**
362. 3-Prong.... Each **5.73**
.... Each **5.24**

L-PLATED TIPS. For C-115 above. Wt., 2 oz.

k	Type	Size	EACH
374	Spade	3/64"	54¢
283	Spade	3/32"	
287	Chisel	3/32"	
364	Pyramid	3/32"	
357	Spade	5/32"	54¢
358	Chisel	5/32"	
359	Spade	3/16"	
360	Chisel	3/16"	

NEW! Complete Arc-Welding Outfits

125-Amp Arc-Welding Outfit

$96.53 $5 monthly

- Continuous Manual Duty Cycle
- Handles 1/16" to 5/32" Rods on Metal up to ½" Thick

MODEL 125A-11A5. Excellent heavy-duty welding outfit for fast production and maintenance work in factories, garages, farms. Offers 16 instant-heat stages ranging from 20 to 125 amps. Dual-coil construction. Primary amps, 35. Has continuous manual duty cycle. Power factor, 75%. Arc volts, 25-30. Welded metal cabinet in gray, heat-resistant baked enamel. 12¼x16x11½". With head shield, welding, ground and power cables, assorted electrodes, electrode holder, ground clamp, 3-prong plugs, and easy instructions. For 115 v., 50/60 cycles AC. 82 lbs.

50 U 115 Z. *$5 Monthly*.......**96.53**

80-Amp Arc-Welding Outfit

$68.11 $5 monthly

- Continuous Manual Duty Cycle
- Handles 1/16" to 3/32" Rods on Metal up to ¼" Thick

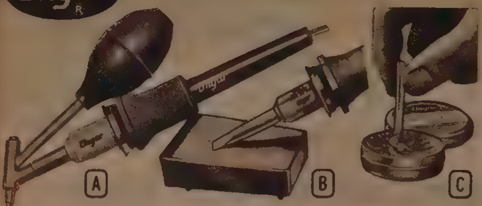
MODEL 80A-11A4. Portable, industrial-type welding outfit offers 9 heat stages ranging from 20 to 80 amps. Dual-coil construction. Primary amps, 29. Power factor, 80%. Arc volts, 25. Welded metal cabinet in gray, baked-enamel. 9¼x12½x9¼". With head shield, ground, power and welding cables, electrode holder, assorted electrodes, ground clamp, 3-prong plugs, and easy instructions. For 115 v., 50/60 cycles AC. Shpg. wt., 39 lbs.

50 U 116 U. *$5 Monthly* **68.11**

50 U 576 X. D-17 Carbon Arc Torch. Maintains 9000°F arc. Increases versatility of any arc welder. 4 lbs......**17.95**

Ungar

Soldering Aids

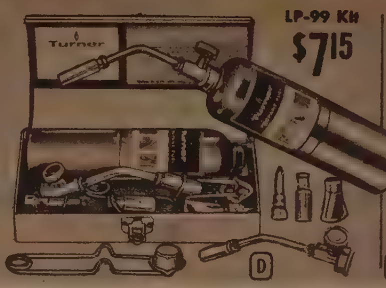


A **TYPE 7800 HOT-VAC DESOLDERER.** Desolders and cleans printed circuits. Hot-Vac melts solder, which is sucked up into collector by bulb. Special coating makes tip-tinning unnecessary. With iron. For 115 VAC. Shpg. wt., 12 oz.
50 U 028. 6-Up. . Each 7.95 1-5. . . . . Each 9.75

B **TYPE 400 "KLEEN-TIP" KIT.** A real aid to better soldering. Removes oxidation and excess solder from soldering tips. Ensures longer tip life, and better connections. Kit consists of specially processed sponge, and phenolic tray and bracket for bench mounting. Shpg. wt., 2 oz.
50 U 421. . . . . 98¢
50 U 422. Type 455 Refill Sponge. 2 oz. . . . . 39¢

C **TYPE 8001 ANTI-SEIZE COMPOUND.** Special lubricant prevents soldering tip from "freezing" to element, and lubricates threads. Prolongs life of tips and heating units by reducing seizure and corrosion. 2-oz. can. Shpg. wt., 3 oz.
50 U 607. . . . . 54¢

Turner Clean-Flame Torches

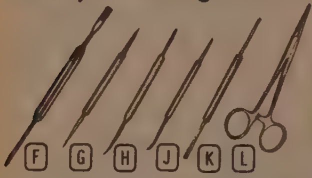


D **LP-99 ALL-PURPOSE PROPANE-GAS TORCH KIT.** Ev thing you need to sweat fittings, solder, and bend m All-brass torch has heavy-duty valve with drag sp on knob. You get: pencil-point burner; heavy-duty bu for larger flame; brass flame-spreader; copper chisel-p solder tip; tank of fuel; spark lighter; steel case (3x1 6"). U.L. Listed. Wt., 4½ lbs.
50 U 081 X. 7

E **LP-1955 "FLEXI-HAND HOSE TORCH.** Propane t clips to your belt in a jiffy. Flexible hose lets you w freely in tight spots. Includes fuel tank, clip assem 4-ft. hose, pistol-grip handle, pencil-point burner assem fuel tank. Wt., 3½ lbs.
51 U 135 X. 9

50 U 082 X. Replacement Fuel Tanks. Each lasts up t hours. Meet I.C.C. specs. 4¼ lbs. . . . . . . **Pkg. of 2 for**

Handy Soldering-Aid Tools



F **G-C 9088.** One end has stiff wire brush for cleaning wire and terminals before soldering; other end shaped to hold wires securely during soldering. Solder does not stick to chrome-tipped probe. 8". 4 oz.
50 U 000. . . . . 98¢

G **H** **G-C 9075 AND 9076.** Double ends ream, hold, or pry. Heat-treated tool steel. Chrome plated to prevent solder from sticking. Shpg. wt., 4 oz.
50 U 728. (G) Straight Probe. . . . . 78¢
50 U 729. (H) Angled Probe. . . . . . . 78¢

J **G-C 9093.** For printed circuits. Offset and slotted probes of hardened stainless steel—solder does not stick to tool. 8" long. 4 oz.
50 U 586. . . . . 98¢

K **G-C 9094.** Stainless steel brush, hardened steel scraper. For printed circuit boards. Solder does not stick to tool. 8" long. 3 oz.
50 U 587. . . . . 96¢

L **XCELITE 42H SEIZER.** Versatile, 6" straight-nose tool clamps tightly. Holds wires for soldering, acts as a heat sink, retrieves small parts from hard-to-reach places. Precision made from stainless steel. 3 oz.
50 U 255. . . . . 4.27
50 U 256. Type 43H. As above, but has curved nose. **4.42**

Ersin and Kester Non-Corrosive Solders

A Solder for Every Use . . Indispensable for Hobbyist, Radio and TV Serviceman

Ersin Multicore Solders

RESIN MULTICORE SOLDER. 5 cores of flux. 60% lead, 40% tin. 1-lb. spools. Wt. per spool, 1½ lbs.

Stock No.	Gauge	EACH
50 U 595	14 (.080")	2.42
50 U 594	16 (.064")	2.47
50 U 313	18 (.048")	2.50

SERVICE PAK. 18-ga., 5-core solder. 60% tin, 40% lead. 12 oz.
50 U 599. . . . . 50¢

TIN/LEAD SOLDER. Non-corrosive Ersin flux. 40% lead, 60% tin. 1-lb. spools. Wt. per spool, 1¾ lbs.

Stock No.	Gauge	EACH
50 U 730	16 (.064")	3.09
50 U 733	18 (.048")	3.09
50 U 736	20 (.036")	3.15

"SAVBIT" SOLDER. 5 cores of flux. Copper-tin-lead alloy reduces tip wear, offers greater strength. 1-lb. spools. Wt. per spool, 1¾ lbs.

Stock No.	Gauge	EACH
50 U 121	14 (.80")	2.96
50 U 123	16 (.064")	2.98
50 U 629	18 (.048")	3.09
50 U 635	20 (.036")	3.36

Kester Solders

KESTER "44". Fast-melting for h speed soldering. Resin flux core. N corrosive, non-conductive. 60/40 a .062" diameter.
51 U 112. 1-lb. Spool. 1¼ lbs. . . .2
51 U 113. 5-lb. Spool. 5½ lbs. . . .1

"RESIN FIVE" CORE SOLDER. For pri circuits. Has active Resin flux. N corrosive, non-conductive. 40% 60% lead. *Coil. †Spool. ‡60% 40% lead.

Stock No.	Dia.	Net	Shpg.	EA
51 U 826	3/32"*	1 lb.	1¼ lbs.	1
51 U 828	3/32"†‡	5 lbs.	5½ lbs.	10.
50 U 561	1/16"	1 oz.	3 oz.	

P.C. SOLDER. 60% tin, 40% lead. dia. 1¾ lbs.
50 U 589. 1-lb. spool 2

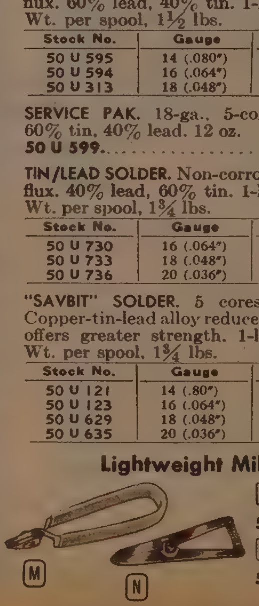
ROSIN-CORE SOLDER. Plastic rosin 3/32" for general work; 1/16" for deli work. 40% tin, 60% lead, ex *50-50.

Stock No.	Dia.	Net	Shpg.	EA
50 U 562	3/32"	1 lb.	1¼ lbs.	1.
50 U 569	3/32"	5 lbs.	5¼ lbs.	7.
50 U 590	1/16"	1 lb.	1¼ lbs.	1.
50 U 591	1/16"	5 lbs.	5¼ lbs.	7.
50 U 581	1/16"*	1 lb.	1¼ lbs.	1.

SOLDER PASTE. Provides an even tribution of active ingredients. 2 can. Shpg. wt., 5 oz.
50 U 578. 1

TINNING BLOCK. Wt., 1¼ lbs.
50 N 582. 6

Lightweight Miller and G-C Soldering Heat Sinks

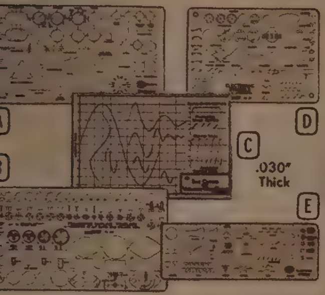


M **MILLER 80.** Spring-type sink. Copper jaws, pla covered handles. Shpg. wt., 6 oz.
50 U 743. 9

N **G-C 9077.** Aluminum sink gives firm grip. Sh wt., 3 lbs.
50 U 742. 3

New! Engineer's Templates, Drawing Aids

Plastic Electronic Templates



A 2972R ELECTRONIC SYMBOLS. Tubes rectifier, crystal, resistors, capaci-
ors, lamps (pilot, illuminated), meter, ilament, connectors, plug, receptacle, ransformers (std., delta, Y), relay, coils, revisions, ground, battery, switch, pushbutton, wafer switch, an-
enna, fuse, 5⅛x9¼". 1 oz.
50 U 957 .... **3.60**

B 2973D TRANSISTOR OUTLINES. Based on JEDEC standards. 27 cutouts, op and side views. 5½x9½". 1 oz.
50 U 959 .... **2.69**

C 2974R WAVE FORMS. Sine/variable, steady and fluctuating DC, modu-
ated carrier. 5½x8¼". 1 oz.
50 U 972 .... **2.69**

D 2972½D ELECTRONIC SYMBOLS. Sockets, meters, tubes, transistors, ntennas, capacitors, chassis/ground, use, mike, speaker, battery, rectifiers, hermal overload, solenoids, heaters, heostats, coils, transformers, plug, x7". Wt., 1 oz.
50 U 956 .... **2.69**

E 2972½R ELECTRONIC SYMBOLS. Cathode, speaker, pushbutton, eater, ground, antenna, mike, switch-
s, capacitors, ohm, resistance, fuse, battery, coils, outlets, auxiliary sys-
ems, pos./neg. 3x8⅜". 1 oz.
50 U 958 .... **1.69**

Here's All You Need to Draw With Expert Results

$16.95

Fine Assortment of Drawing Essentials, All at a Low Price Within Reach of the Most Modest Budget

Instrument Sets from Germany

F **DRAWING/INSTRUMENT OUTFIT.** **Drawing Set:** 16x21" board; 21" wood T square; 8" 30° and 6" 45° triangles; 4" plastic protractor; lead pointer; pink pearl eraser; art gum eraser; 24—12x18" paper, case. **Instrument Set:** 4" bow compass-combination pen and pencil; 4" bow divider; 5¾" plain divider; 5¾" combination friction compass with self-contained extension bar; 4½" ruling pen; extra ruling pen handle for compass pen part; vial, extra leads, needle points, metal case.
50 U 991 X. Complete Outfit. 8 lbs. **16.95**
50 U 992 X. Drawing Set Alone. (Less instrument set.) 7 lbs. **8.95**
50 U 993. Instrument Set Alone. (Less drawing set.) 1 lb. **9.95**

G **2240-1 DELUXE DRAWING SET.** Includes: 18x24" board; 24" wood T square; architect's scale; 10" 30° triangle; 8" 45° triangle; curve; 5" plastic protractor; 2H, 4H Corona Pencils; lead pointer; drafting tape; art gum eraser; 6 sheets 12x18" paper; erasing shield; Ames lettering guide; dusting brush; plastic carry case. 10 lbs.
51 U 011 X **14.95**

H **1138M DELUXE INSTRUMENT SET.** 6" and 4¼" bow compasses, pencil and divider parts, center wheel adjustment; 5¼" plain dividers with replaceable gear-type straightening device. Muntz metal alloy, nickel plated, brightly polished. Vial of leads. Metal case. 1 lb.
51 U 073 .... **9.95**

ETZGEN

6" and 10" Slide Rules for Student or Professional

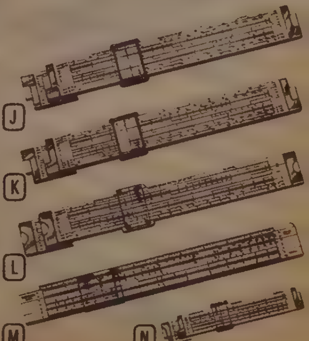
'34L DECIMAL TRIG-TYPE LOG LOG. recision 10" rule of select seasoned gany, faced with white plastic. ally friction-free Teflon grooves enter slide; never too tight, never ose. Sharp, nonyellowing, engine ed scales; fully adjustable. Scales: , LL03, DF, CF, CIF, L, CI, C, L3, LL2, LL01, K, A, B, T>45, 5, ST, S, D, DI, LL1, S, ST and les read degrees and decimals of es. With conversion slip (con-
on tables and trigonometry-geom-
ormulae), sewed leather case, in-
tions. 1¼ lbs.
283 S. *$5 Monthly* **24.95**

725L VECTOR-TYPE LOG LOG. As ove, *plus* Hyperbolic Sine/Tan-
scales (Sh1, Sh2, Th).
279 S. 1¼ lbs. *$5 Mo.* **26.95**

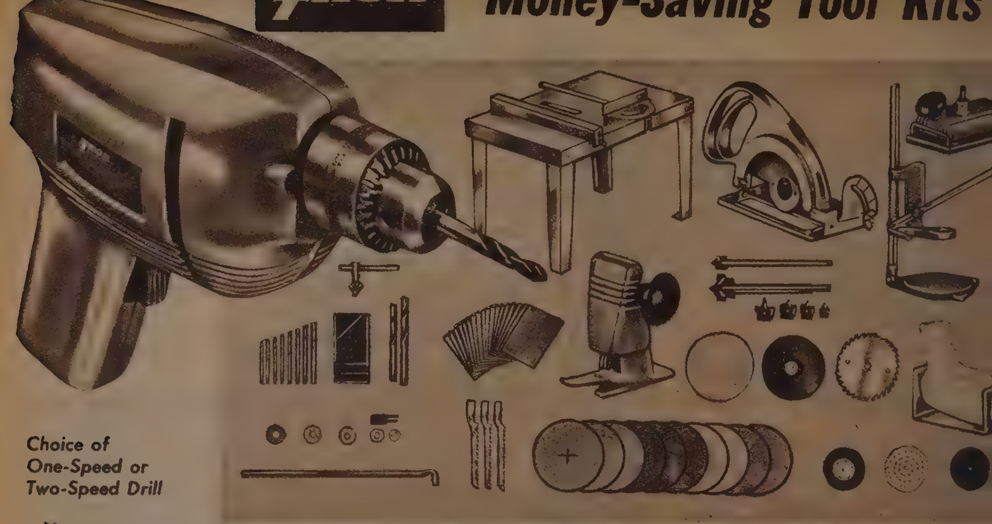
L **1738 DECIMAL TRIG-TYPE LOG LOG.** Metal 10" rule. Scales: LL02, LL03, DF-CF, CIF, L, CI, C-D, LL3, LL2, LL01, K, A-B, X T>45, T<45, ST, S-D. DI. LL1. S, ST, T scales in degrees and decimals of degrees. Conversion slip, case, instructions.
51 U 275 S. 1¼ lbs. **17.95**

M **1765P BASIC RULE.** Plastic break-resistant 10" rule. Back has conversion tables. Scales: K, A-B, CI, C-D, L. In degrees and minutes—S, ST, T. Case, instructions.
51 U 278 S. 1¼ lbs. **4.95**

N **1776 POCKET RULE.** Convenient 6" rule. Scales: DF, CF, CIF, CI, D, C, L, K, A, B, T, ST, S, DI. Case, clip, instructions 5 oz.
51 U 280 S. **5.95**



THOR Money-Saving Tool Kits



Choice of One-Speed or Two-Speed Drill

69-Piece Kit Featuring ⅜″ Rugged ⅓-hp Drill

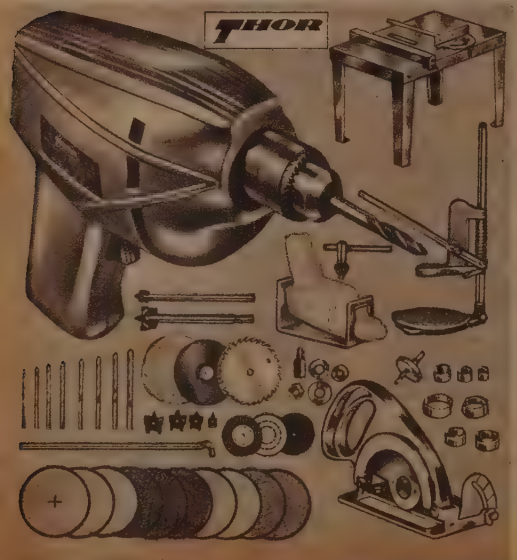
Two-Speed Kit $39.95 $5 monthly | One-Speed Kit $36.95 $5 monthly

- Handy Accessories for Drilling, Sawing, Sanding, Polishing, and Gri
- Ball Bearing on Drill Spindle • Welded, Burnoutproof Therm-O-Weld
- Drill Is Industrial Rated by U.L., C.S.A. Listed • Tough 3-Amp Desig

KIT WITH TWO-SPEED DRILL. Drill was designed for home craftsmen, but has many superior features to meet even more exacting requirements. Switch selects 2000 or 2200 rpm no load, low for hard materials as concrete and steel, high for softer materials. Proper speed saves on bits and augers. Ball bearing for difficult jobs; provides smooth operation, long life under heavy use. Motor can't burn out from overheating. Housing has bonded epoxy-type finish over military-type prime coat. Capacity: ⅜″ dia. in steel; ¾″ in wood. Locking pin for continuous use. Accessories make this an exceptionally versatile workshop: vertical drill press; horizontal drill stand; orbital sander attachment; 20 s of sandpaper; jig saw attachment; 3 jig saw blades; cir saw attachment; 4½″ circular saw blade; saw tabl grinding wheel; 3″ cloth buff; 3″ wire brush; ten 5″ sa discs; arbor set; paint stirrer; rubber backing pa assorted drill bits (1/16″ to ⅜″); 5″ lambswool poli bonnet; 8-piece wood auger bit set (⅜″ to 1″), drill 6-ft. 3-wire cord, plug. 110-120 v., 25-60 cycle.

52 U 026 X. 20 lbs. *$5 Monthly* 3

52 U 027 X. Kit with One-Speed Drill. As above, but one-speed, 1750-rpm no-load drill. 20 lbs. ....



49-Piece Value-Packed ¼″ Drill Ki

Two-Speed $29.95 $5 monthly | One-Speed $26.95 mo

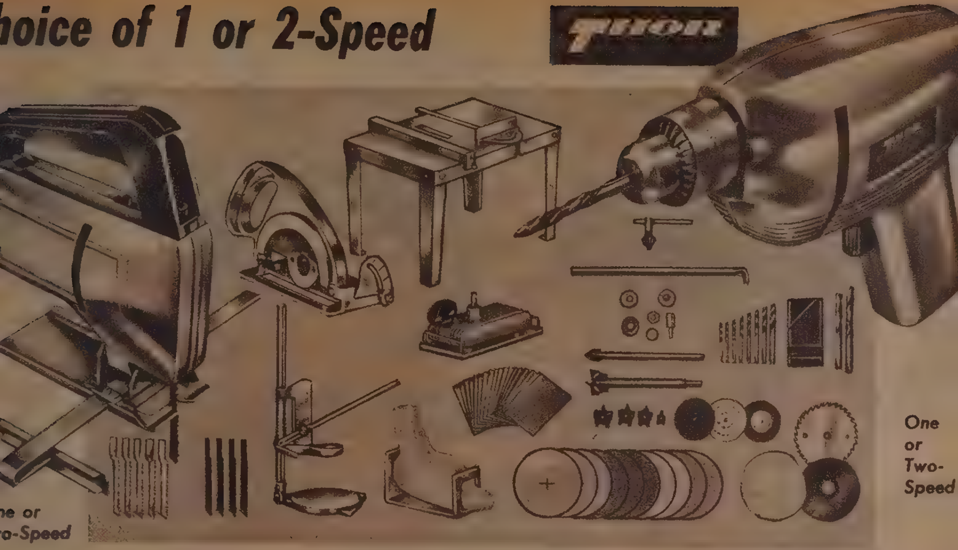
- Dependable 2.5-Amp Drill plus Many Useful Attachmen
- Ball-Bearing design and Therm-O-Weld Motor
- U.L. Industrial Rated • Durable, Bonded Epoxy-Type Fi

KIT WITH TWO-SPEED DRILL. Practical kit handles ge household jobs with ease. Two-speed drill suits spee the work, like having *two* one-speed drills. 2200-rp load for ordinary materials, 1750 rpm for more dif materials. Ball bearing on spindle takes punishme stride, runs smoothly. Leads are welded (not soldere commutator bar, so motor can't overheat and bur Beige-tone finish over military-type prime coat. Capa ¼″ dia. in steel; ½″ in wood. Locking pin for continuou Circular saw attachment; 4½″ circular saw blade; 8- wood auger bit set (⅜″ to 1″); saw table; set of 9 drill (1/16″ to ¼″); ten 5″ sanding discs; 5″ lambswool poli bonnet; 5″ rubber backing pad; arbor set; vertical press; horizontal drill stand; 7 hole-saw attachment grinding wheel; 3″ cloth buff; 3″ wire brush; drill With 6-ft. 3-wire cord, plug. U.L., C.S.A. Listed. For 120 v., 25-60 cycle AC. 20 lbs.

52 U 028 X. *$5 Monthly* 29

52 U 029 X. Kit with One-Speed Drill. As above, but one-speed, 1600-rpm no-load drill. 20 lbs. 2

hoice of 1 or 2-Speed



Our Best Kit . . 77 Pieces Include Husky ⅜" Drill, Jig Saw

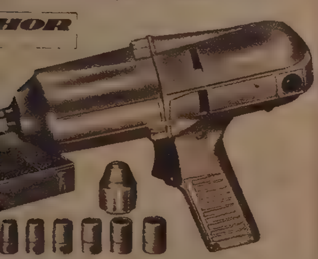
vo-
eed
Kit $\$59^{95}$ $5 monthly | One-Speed Kit $\$54^{95}$ $5 monthly

- Includes Practically Every Tool You'll Ever Need, At One Low Price
- Both Drill and Saw Feature Ball-Bearing Design and Burnoutproof Motors
- Tough 3-Amp Motors Get the Job Done Fast • Bonded, Epoxy-Type Finishes

VITH TWO-SPEED TOOLS. Premium features at low cost. the speed to match the work. High speed for wood or light jobs, low speed for steel or masonry. Ball-bearing n lets you tackle big jobs. Therm-O-Weld motors fail due to overheating. Beigetone epoxy-type coat- **Drill:** 2000 or 2200 rpm no load. Capacity: ⅜" dia. eel; ¾" in wood. Lock pin. U.L. industrial rated. **aw:** Makes scrolls, curves, starts own hole. 3000 or ⅝" strokes/minute no load. Capacity: ⅛" in steel; wood. Cuts 2x4's at 45° angle. **sories:** drill key; 10 jig saw blades (4 metal, 6 wood-cutting); rip guide; vertical drill press; horizontal drill stand; 11 drill bits (1/16" to ⅜"); 10 assorted 5" sanding discs; 5" rubber backing pad; orbital sander attachment; 20 sandpaper sheets; 3" cloth buff; 3" grinding wheel; paint stirrer; circular saw attachment; 4½" circular saw blade; 3" wire brush; 3-pc. saw table; arbor set; 8-pc. auger bit set (⅜" to 1"); 5" lambswool bonnet. U.L., C.S.A. Listed. 6-ft. 3-wire cord, plug. 110-120 v. 25-60 cycle AC.

52 U 020 X. 24 lbs. *$5 Monthly* **59.95**
52 U 021 X. Kit with One-Speed Tools. No load speeds: drill, 1750 rpm; jig saw, 3000 spm. 23½ lbs. **54.95**

56AKC Impact Wrench Kit

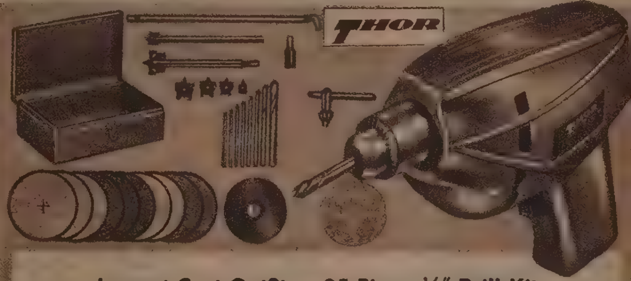


76^{95}
5 monthly

For Drilling and Running Down Bolts Fast . . . 1900 rpm!

ard-reverse 4-amp motor. Capacity, bolt. Blows/minute and rpm, 1900. ngs; ball, needle. Six ½" square-drive sockets (½" to 13/16"); ½"-capacity chuck; steel case. 6' 3-wire cord, U.L. industrial rated, C.S.A. Listed. 20 v. AC-DC. 17 lbs.

022. *$5 Monthly* **76.95**
023. Wrench Alone. 8 lbs. **69.95**



Lowest Cost Outfit . . 35-Piece ¼" Drill Kit

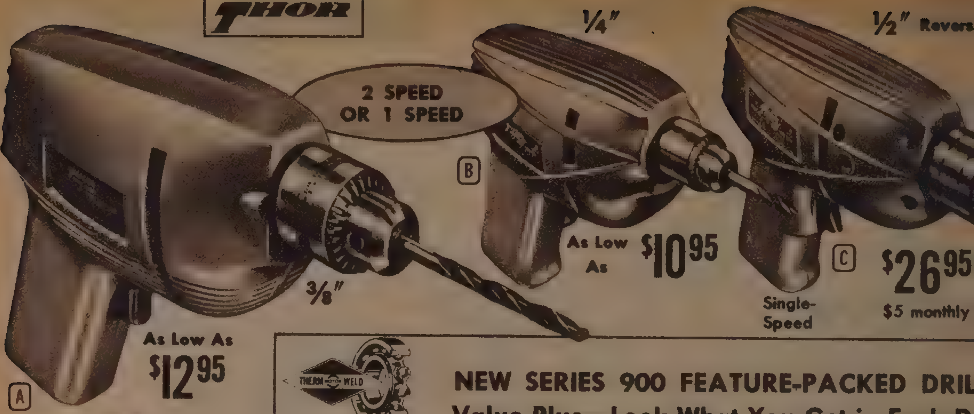
Two-Speed $\$18^{95}$ | One-Speed $\$16^{95}$

- Burnoutproof
- Ball Bearing

KIT WITH TWO-SPEED DRILL. Reliable 2.5-amp drill. No-load speeds: 2200 rpm for wood, 1750 for steel. Therm-O-Weld motor. Epoxy-type finish. Capacity: ¼" dia. in steel; ½" in wood. Drill key; ten 5" sanding discs; arbor set; 5" lambswool bonnet; 5" rubber backer; 8-pc. wood auger bit set (⅜" to 1"); 9 drill bits (1/16" to ¼"); metal case. U.L. industrial rated, C.S.A. Listed. 6-ft. 3-wire cord, plug. For 110-120 v., 25-60 cycle AC. 9 lbs.

52 U 024 X. **18.95**
52 U 025 X. Kit with One-Speed Drill. 1600 rpm. 9 lbs. **16.95**

THOR



3/8"

As Low As **$12.95**

1/4"

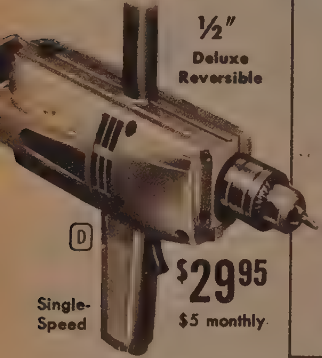
As Low As **$10.95**

1/2" Revers

Single-Speed

$26.95

$5 monthly



1/2" Deluxe Reversible

Single-Speed

$29.95

$5 monthly

NEW SERIES 900 FEATURE-PACKED DRIL
Value Plus—Look What You Get in Each D

- Ball-Bearing on Spindle Lets You Tackle the Tough Jobs; Smoother Operation
- Burnoutproof Therm-O-Weld Motors, All Leads Are Welded to Commutator Ba
- All Are Industrial Rated by U.L. and C.S.A. Listed • Geared Chuck, Key
- Die-Cast Housing with New Epoxy-Type Beigetone Finish for Rugged Durability

Although designed for the home craftsman, the 900 line meets far more exacting specifications. Many superior refinements make these drills excellent buys, especially for the man who *thinks* he can't afford such engineering extras. All have reliable ball bearings on spindle that run cooler and smoother, stand up longer, and take the punishment of heavier use. Feature dependable burnoutproof Therm-O-Weld motors. Permanently bonded epoxy-type finish coat contains silicones electrostatically sprayed over mili type prime coat. All have steel preci hobbed gears; trigger switch and lo pin for continuous operation. Ver *2-speed* drills let you select high s for drilling through regular mate low speed for hard materials suc concrete. 1/2" *reversible* drills "back fast and easy without bending dril With 6-foot 3-wire cord, plug. Less All are for operation from 110-120 v 25-60 cycle AC.

A 1/3-hp 2-Speed and Single-Speed 3/8" Drills

MODEL 913SC 2-SPEED DRILL. Features double reduction gears. 700 or 900 rpm no-load speeds to suit work. Capacity: 3/8" dia. in steel; 3/4" in wood. Powerful 3-amp motor packs extra punch. 8½" long. 5 lbs.
50 U 362. *$5 Monthly*.......... **19.95**

SINGLE-SPEED DRILLS. Similar to 913SC, but operate at one speed.

50 U 363. 913. Double reduction gears. 900 rpm. (no load) 5 lbs........ **18.95**

50 U 364. Model 912. Operates at 1750 rpm. (no load). 5 lbs........... **12.95**

B 2-Speed and Single-Speed 1/4" Drills

MODEL 910SC 2-SPEED DRILL. Almost like having two separate drills. Handles most household jobs. Select 1750 or 2200 rpm no-load speeds to fit job. Capacity: 1/4" dia. in steel; 1/2" in wood. Dependable 2.5-amp motor. Length, 8½". Wt., 4 lbs.
50 U 365.................... **12.95**

50 U 366. Model 910 Single-Speed. As above, but 1600 rpm. 4lbs. **10.95**

C 1/3-hp Compact 1/2" D

MODEL 916R. Reversible 3-amp m prevents bent bits. 600 rpm (no l 1/2" dia. steel; 1" wood. Remo side handle. 8½" long. 5½ lbs.
50 U 367. *$5 Monthly*........ **2**

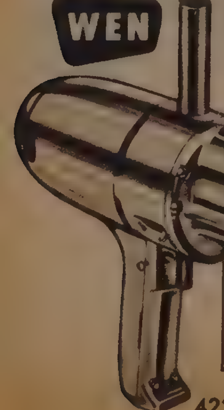
50 U 368. Model 916. Same as al but nonreversible. 5½ lbs........ 2

D 1/2-hp Deluxe 1/2" Revers

MODEL 915R. Above, but 4 amps rpm (no load). 14½" long.
50 U 369. 11 lbs. *$5 Monthly*.. **29**

50 U 370. Model 915. Same as al but nonreversible. 11 lbs....... 2

WEN



Gear-shift speed control plus electronic speed control give you four speeds!

4-Speed 1/2" Drill With Double-Reduction Gears

$32.97

$5 monthly

- Extra-Rugged 1/2-hp Motor • Industrial Rated for Continuous U
- Welded Burnoutproof Armature in Motor Can't Fail Due to Overhe
- Reversing Switch Lets You Back Out Bit from Hard Material
- Double Reduction Gears for Churning Through Steel and Concre
- 4 No-Load Speeds from 630 to 2400 rpm • Removable Top Ha

MODEL 950. Put it to the challenge! Where brute power is a m you can depend on the 950. Has every conceivable feature could want or need in a king-size-capacity drill. Four sp make it extremely versatile: 630, 730, 2200, and 2400 rpm load. Rugged 6-amp motor powers drill through 1/2"-dia. ste 1½"-dia. wood. Double-reduction gears deliver super torque essary for difficult work. Extra-safety double-switch motor verse. Heavy-duty gear train. Trigger switch locks for contin operation. Geared chuck and key. Polished aluminum housing long. 6-foot 3-wire cord, plug. Less bit. U.L. and C.S.A. Lis For 110-120 v., 50-60 cycle AC. Shpg. wt., 9 lbs.
51 U 822 X. *$5 Monthly*.............................. **32**

ULTI-SPEED DRILLS

$34.99 $5 monthly

$31.88 $5 monthly

NEW EXCLUSIVE TRIGGER SPEED CONTROL
Regulate Speed by Your "Trigger Finger" Pressure

$24.88 $5 monthly

One Drill Serves the Purposes of Many

A Popular Tool For the Home Handyman

he speed to the job with true fingertip speed control!
materials like steel demand slow speeds, higher
s may be used for normal jobs. Do delicate precision
even drill glass. Use as driver at extremely low speeds.
ium burnout-protected motors withstand excessive overloads without damage. Each drill is Industrial Rated by U.L.—plenty of power for rugged work. Locking pin for sustained operation. Lightweight aluminum housings. Geared chuck and key. With 6-foot 3-wire cord, plug; For 110-120 v., 60 cycle AC.

" Drill—Double Reduction

DEL 545TSC. Deluxe! Has ½" dia.
acity in steel, 1¼" in wood. 3-
motor, 0-750 rpm (no load) in
hest materials. Double-reduc-
gears for extra torque. Multi-
st bearing on chuck spindle. Re-
able side handle. 9¾" long. Less
Shpg. wt., 4½ lbs.
727. *$5 Monthly*........**34.99**

⅜" Drill—Double Reduction

MODEL 569TSC. Handles heavier duty jobs than ¼" model. Rugged 3-amp motor, 0-1000 rpm (no load). Capacity: ⅜" in steel; ¾" in wood. Double reduction gears for powerful torque. Removable auxiliary handle for better control. 9¾" long. Less bit Shpg. wt., 4½ lbs.
50 U 726. *$5 Monthly*........**31.88**

Quality Low-Cost ¼" Drill

MODEL 501TSC. Basic tool for any workshop—no do-it-yourselfer should be without a reliable ¼" drill. Powerful 2.5-amp motor, speeds 0-2000rpm (no load). Capacity: ¼" dia. in steel; ½" in wood. Strong helical gears for increased torque. 9" long. Less bit. Shpg. wt., 4 lbs.
50 U 725. *$5 Monthly*........**24.88**

Operates in both horizontal and vertical position

$139.50 $7 monthly

Unimat Multi-Purpose Lathe

e's a precision, miniature ma-
e shop! Turns, faces, reams,
s, recesses, parts off, polishes,
, drills, jig bores, surface
ds. Headstock with belt-driven
-bearing spindle (accurate
in .0005" removes for use as a
able drill—255 to 4000 rpm).
dstock rotates 360° on bed or
cal post; locks at any angle.
peeds, 900-7200 rpm. Lathe takes 3"-dia. pieces; 6½" between centers. ¼" press takes pieces 6½" high; drills to center of 6" circle. Ball-bearing idler pulley. Cast iron bed. Overall, 5x14½x4". 3-jaw lathe chuck; drill chuck, key; roughing tool bit; wood chest; instructions. 3-wire cord, plug. 1/10 hp. for 110-120 v., AC-DC. 30 lbs. From Austria.
50 U 431 U. *$7 Monthly*..**139.50**

Useful Accessories For Unimat Lathe

679. DB1010 Machine Vise.
nts on cross slide or mill table.
aped jaws open 1⅛". 13 oz. **7.95**

689. DB1210 Milling Table. 3x
-slotted. Fits cross slide in 8
ions. Holds irregular shapes.
s clamps. 2 lbs.........**10.50**

50 U 690. DB1002A 4-Jaw Independent Lathe Chuck. For square /off-center work. 2¼" cap. 1 lb..**22.50**

50 U 692. DB1100 Hi-Speed ¼" Tool Bits. Six, for: right, left-hand finishing; parting off; inside threads; boring bar. 8 oz.....**9.50**

Electronic Drill Fits Your Palm

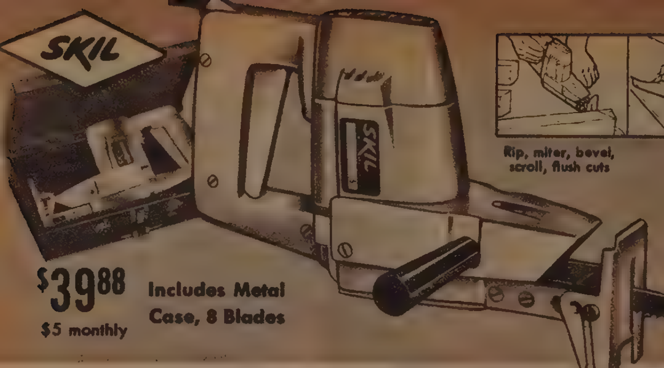
$34.95 $5 monthly

- Ball Thrust Bearings
- Double Reduction Gears
- Burnoutproof Motor
- U.L. Industrial Rated

MODEL E110. Loaded with deluxe features! Weighs only 27 ounces. Half the size of conventional ¼" drills, yet has same capacity: ¼" dia. in steel; ½" in wood. Dependable Therm-O-Weld 1.5-amp motor won't burn out even under overload. Employs electronic diode circuit with special permanent-magnet stator. High-temperature wire welded to 18-bar commutator avoids overheating failure. No-load speed, 1200 rpm; full load, 1100. Adjustable trigger switch. Geared key chuck, key. Zytel pistol grip, die-cast aluminum housing. 6 7/16" long. With 8-foot 3-wire cord, plug. For 100-120 v., 25-50 cycle AC. Less bit. Shpg. wt., 3 lbs.
50 U 844. *$5 Monthly*............**34.95**

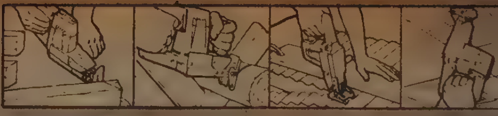
USE YOUR ALLIED CREDIT FUND
Low on cash? Why wait for the tools you want? Use your tools as you pay for them!

'll Find Drill Bits and Accessories Elsewhere in This Section



$39⁸⁸
$5 monthly

Includes Metal Case, 8 Blades

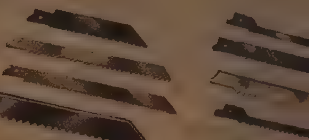


Rip, miter, bevel, scroll, flush cuts

Cuts 6" Timber

Even rips corrugated steel

Pocket cu starts hol



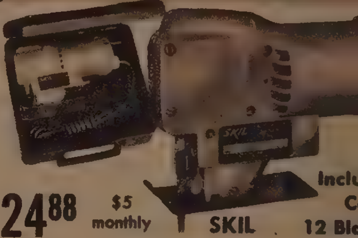
Heavy-Duty 577 All-Purpose "Recipro Saw" Kit

Ideal homeowner's kit. Saw and 8 assorted blades have the versatility to cut nearly everything from steel to plastic. Double-reduction gears, canted blade. 3-position foot: stationary for pocket cuts; rocking for ripping and cross cuts; flush for scroll and flush cuts. Blade adjusts in 4 directions. Antifriction bearings. 3 amps. ¾" stroke. No load, 2000 spm. 11¾" long. Includes case and blades: 2 metal cutting; 2 multipurpose; metal scroll cutting; wood roughing-in; wood scroll; plaster cutting. With 3-wire cord, plug. U.L. Listed. For 110-120 v., AC. Shpg. wt., 8 lbs.

50 U 205. Complete Kit. *$5 Monthly*	**39.88**
50 U 789. Saw, 3 Blades. *See blades below. 6¾ lbs.	**36.88**

Accessory Blades

50 U 790. Type 23608 6" Metal-Cutting Blade. Wt., 2 oz.	**67¢**
50 U 793. Type 23606 6" Plaster-Cutting Blade. Wt., 2 oz.	**27¢**
50 U 795. *Type 20538 4" Wood-Cutting Scroll Blade. Wt., 2 oz.	**60¢**
50 U 796. *Type 20541 4" Multipurpose Blade. For fast roughing-in cuts in wood with nails, soft metals, etc. Wt., 2 oz.	**20¢**
50 U 797. Type 20543 12" Multipurpose Blade. Wt., 2 oz.	**47¢**
50 U 875. *Type 25922 9" Wood-Cutting Blade. Special design for heavy wood cutting. Shpg. wt., 3 oz.	**73¢**



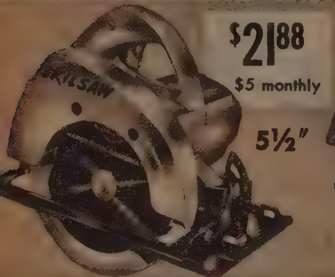
$24⁸⁸ $5 monthly

Inclu
C
12 Bl

New Hobbyists' Model 514 Jig Saw

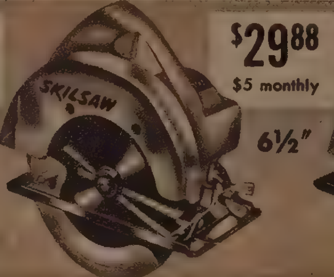
Rip, cross, plunge, scroll and bevel cuts, notches. Cuts 2" wood, ½" soft metal, ⅛" steel. 2.3-amp motor. Ball thrust bearing. A matic sawdust blower. No load, 4000 spm. strokes. 8" long. Includes plastic case an blades: 8 wood cutting, 4 metal cutting. 3-wire cord, plug; U.L. Listed. For 110-12 AC or DC. Shpg. wt., 6 lbs.

50 U 204. Complete Kit. *$5 Monthly*	**24**
51 U 827. Saw with 3 Blades. 10¼ lbs.	**2**



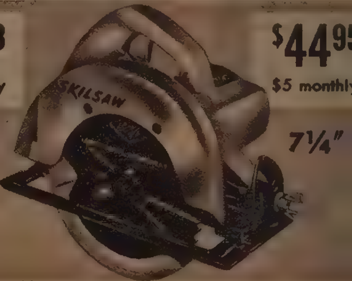
$21⁸⁸
$5 monthly

5½"



$29⁸⁸
$5 monthly

6½"



$44⁹
$5 monthl

7¼"

Compact, Lowest Cost 5½" Saw

MODEL 533. Famous Skil quality. 5.5-amp motor develops over ½ hp. Capacity: ¹⁄₁₆-1¾" at 90°; 1¹³⁄₃₂" at 45°. No load, 3950 rpm. Depth, bevel controls. Bind-free blade guard. With combination blade; wrench. 3-wire cord, plug. U.L. Listed. For 110-120 v., AC. Wt., 9 lbs.

50 U 206 X. *$5 Monthly* **21.88**

1-Horsepower 6½" Saw

MODEL 534. 9-amp motor develops over 1 hp. Capacity: ¹⁄₁₆-2³⁄₁₆" at 90°; 1¾" at 45°. No load, 6300 rpm. Safety clutch, depth and bevel controls, sawdust ejector, bind-free blade guard. With combination blade; wrench. 3-wire cord, plug. U.L. Listed. For 110-120 v., AC. 9 lbs.

50 U 207 X. *$5 Monthly* **29.88**

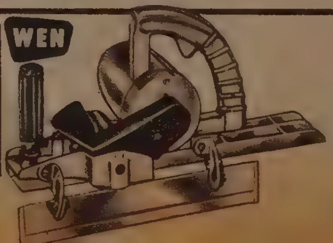
Deluxe Heavy-Duty 1½-hp S

MODEL 537. 10-amp, 1½-hp mo Capacity: ¹⁄₁₆-2⅜" at 90°; 1⅞" at Roller and antifriction bearings. load, 5150 rpm. Safety clutch, de and bevel controls, sawdust ejec With combo blade; wrench. 3- cord, plug. U.L. Listed. For 110- v., AC. 16¼ lbs.

50 U 208 X. *$5 Monthly* ...... **44.**

Industrially Rated

$32⁹⁷
$5 monthly

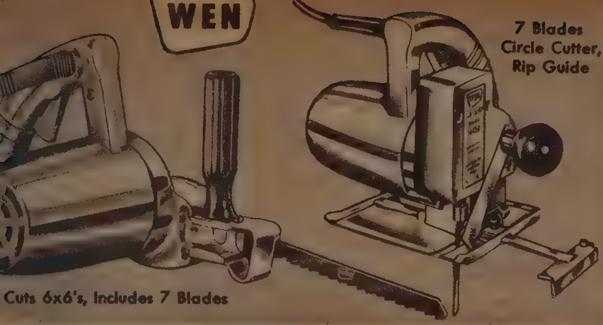


Professional-Type Heavy-Duty Power Planer

MODEL 930. For precision edges, miters, surfaces. 6-amp mo is burnoutproof; develops ½ hp. Replaceable cutters (2) separately adjustable; cut up to 2⅛" wide, ¹⁄₁₆" deep. M guide plate adjusts up to 45°; removes for surface planing. shoe. No load, 14,500 rpm. Air-stream chip ejector. x7x16". U.L., C.S.A. For 110-120 v., AC. 9¾ lbs.

51 U 091 X. *$5 Monthly* .... **32.**

WEN



Cuts 6x6's, Includes 7 Blades

HEAVY-DUTY INDUSTRIALLY-RATED POWER SAWS

All-Purpose Zipp Saw

32^{97}
5 monthly

- Makes Flush Cuts
- Even Cuts 2″ Pipe
- Heavy-Duty Roller, Oilite Bearings

DEL 920. For tough jobs. Has -amp, ⅛-hp motor, heavy-duty rdened gears. Makes scrolls, cirs in nearly any material. Starts ide cut, no drill needed. Air eam clears dust. No load, 3200 strokes/minute. Auxiliary han. Safety release switch. Polished minum housing. 9″ long. Indes 7 assorted blades. With 3e 8′ cord, plug; 2-prong adapter. ., C.S.A. Listed. For 110-120 AC. 6¾ lbs.
U 873. *$5 Monthly*.....**32.97**

Popular Heavy-Duty All-Saw

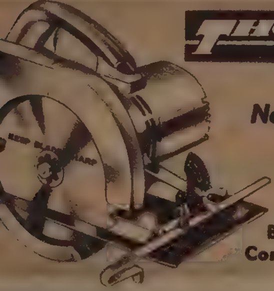
$\$32^{97}$
$5 monthly

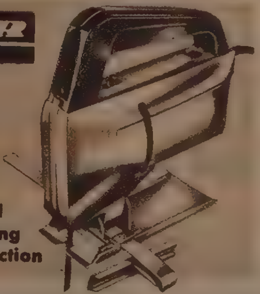
- Rugged 6-Amp Motor
- Cuts 6x6's at 90°, 4x4's at 45°
- Even Cuts 2″ Pipe

MODEL 909. High-power saw makes arcs, circles, inside cuts in wood, metal, plastic. Cuts ½″ steel fast. Has ½-hp motor, heavy-duty roller and oilite bearings, heavy-duty hardened gears. 3400 1″ strokes/minute. Auxiliary handle, sawdust blower, safety release switch. With rip guide, circle cutter, 45° tilting base, 7 asstd. blades. Polished aluminum housing. 7½x7x8″. U.L., C.S.A. Listed. For 110-120 v., AC-DC. 8¼ lbs.
50 U 236. *$5 Monthly*.....**32.97**

LACEMENT BLADE SET. 7 assorted blades for Model 920 or 909. ½ lb.
U 237...**2.50**

THOR





New!

Ball Bearing Construction

Ball-Bearing 7¼″ Saw

26^{95}
monthly

- Powerful 8-Amp Burnoutproof Motor
- Safety Slip Clutch
- Epoxy-Type Finish

DEL 922. Low-cost saw with rele ball bearing for low mainance, smooth, cool operation. rm-O-Weld motor won't burn even when you underrate the Slip-free clutch eliminates k-back." Capacity: up to 2¼″ 0°; 1¾″ at 45°. No load, 5000 . Includes precision rip guide, th and bevel controls, combion blade. 3-wire cord and nding-type plug. U.L. and .A. Listed. For 110-120 v., 25ycle AC. 14 lbs.
202 X. *$5 Monthly*...**26.95**

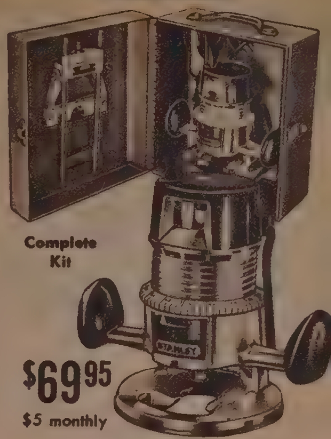
Ball-Bearing Jig Saw, 3 Blades

$\$16^{95}$
$5 monthly

- Premium Ball-Bearing Design at Low Cost
- Burnoutproof Motor
- Epoxy-Type Finish

MODEL 920. Top-notch all-around saw with many fine features at a low price. Makes scrolls, curves, starts its own hole. Therm-O-Weld 3-amp motor delivers 3000 (no load) ⅝″ strokes/minute. Capacity: 2″ in wood; ⅛″ in steel. Adjustable plate for angle cuts. Handles 2x4″s at 45°. Includes rip guide, 3 assorted wood and metal-cutting blades. 3-wire cord and grounding-type plug. U.L. and C.S.A. Listed. For 110-120 v., 25-60 cycle AC. Wt., 6 lbs.
50 U 201...............**16.95**

STANLEY



Complete Kit

$\$69^{95}$
$5 monthly

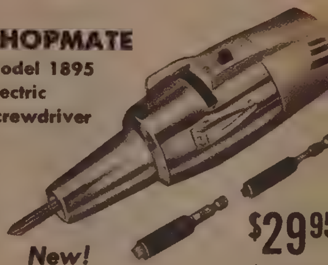
Professional H295 Router Kit

- Precision Ball-Bearing Construction
- "Micro-Depth" Adjustment—¼ of 1/64″
- ⅞-hp Motor • 23,000-rpm No Load
- Built-in Spotlight • Case, Accessories

Saves time, does a better, professional-type job. Features husky 6-amp H264 router that "spot lights" work area; brightness increases with load. Recessed 3-position switch starts and stops router, automatically locks shaft for safety when changing bits or cutters. Clamping lever holds or releases motor. Comfortable grips for all hand sizes. Accessories: router and template guides (straight, circular cuts), bit, 2 grinding wheels, wrench, metal case. 7¼x3⅝″. For 110-120 v. AC-DC. Shpg. wt., 20 lbs.
51 U 133 X. *$5 Monthly*......**69.95**

H264 ROUTER ALONE. With wrench.
51 U 180 X. 9½ lbs. *$5 Monthly*.**54.95**

SHOPMATE
Model 1895 Electric Screwdriver



New!

$\$29^{95}$
$5 monthl

- Drives or Removes #4-12 Slotted or Phillips
- Industrial Rated • High-Torque Gear Reductio

Excellent for home use and light assembly work. Fan-cooled "Lifeweld" 3-amp motor Positive clutch action. Ball thrust and self-lubricating bronze bearings. On-off and reversing switches. No load, 325 rpm. Accepts ¼″ hex shank bits. 8½″ long. Includes 2 slotted screwdriver tips with "head finders," Phillips bit. 3-wire cord, plug. U.L. Listed. 110-120 v., 25-60 cycle AC. 3¼ lbs.
50 U 200. *$5 Monthly*...............**29.95**

WEN 2-SPEED 2-IN-1 7″ SANDER/POLISHER

$32⁹⁷
$5 monthly

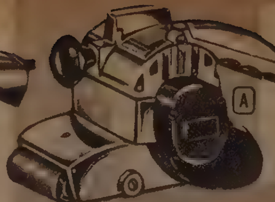
Industrially Rated ½-hp Motor

- ½-Horsepower 6-Amp Motor Is Burnout-proof and Fully Rated for Heavy Duty
- Two Tools in One, At the Price of One
- High Speed for Sanding, Low for Polishing
- Oversize Sanding Discs and Oversize Wool Bonnet Cut the Big Jobs Down to Size

MODEL 940. It's a sander at 3400 rpm, a polisher at 1800 rpm. Two switch-selected electronically controlled speeds. Sander is ideal for heavy removal on metal, wood, plastic. Big wool polishing bonnet permits working around and over edges with professional results. Removable auxiliary handle fits right or left side to offer maximum leverage with minimum effort. Needle-point bearing; all-gear construction. 14″ long. Built-in tool rest. With flexible back-up pad, 2 sanding discs, wool bonnet. 3-wire cord, plug; 2-prong adapter. U.L. Listed. For 110-120 v., 60 cycle AC. 8½ lbs.
51 U 406. *$5 Monthly*............ **32.97**

EXTRA 7″ WOOL BONNET. Wt., 10 oz.
51 U 407........................... **2.49**

EXTRA SANDING DISCS. Wt., 8 oz.
51 U 408......Assorted Pkg. of 6 for **1.29**



THOR
Variable Speed 3″ Sander
$34⁹⁵
$5 monthly

THOR
Ball Bearing Constructi
$12⁹⁵
Top Valu

SKIL
Dustless Belt Sander
$48⁸⁸
$5 monthly

New Low Price!

New!

SAVE WORK, LET POWER SANDERS DO THE JOB!

A Thor 555 3″ Belt Sander

Heavy-duty, industrial-rated unit. Speed is variable from 750-950 feet/minute. Therm-O-Weld 5-amp burnoutproof motor. Self-oiling bronze bearings. 2-position auxiliary knob. Slide switch. Lug on top for mounting in bench vise (use as stationary sander). Cast aluminum housing. With 3x18″ sanding belt. 3-wire cord, plug. U.L. Listed. For 110-120 v., AC. Shpg. wt., 6½ lbs.
51 U 162. *$5 Monthly*...... **34.95**

PKG. OF 5 ASSORTED BELTS.
51 U 167. 8 oz.................. **2.95**

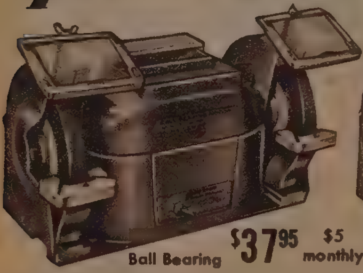
B Thor 930 Orbital Sande

Low in cost, but so tough it's
dustrially rated by U.L. Espec
suited for extremely smooth,
finishing. Stands up under he
duty use . . has ball bearing on sa
driving plate; other bearings
bronze alloy. Therm-O-Weld
amp motor can't burn out, no
ter how hard you overdrive
Covers 4½x5⅛″ sanding area;
orbital action. No load, 3450 orb
minute. Pushbutton switch. 8″ l
U.L., C.S.A. Listed. For 110-12
60 cycle AC. Shpg. wt., 6 lbs.
50 U 203 X.................. **12**

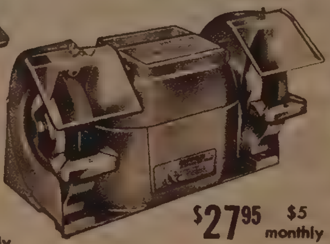
C Skil Model 595 3″ Belt Sander with Dust Pickup

Was $51.50 in 1965 Catalog. Draws sawdust into bag for easy disposal, c
work area. Burnout-protected, powerful 5½-amp motor. No load speed
feet per minute. 3x21″ belt covers 13½ sq. in. platen. Sands flush with w
Antifriction bearings. Front and rear handles. Cast aluminum hous
11¾″ long. With sanding belt. For 110-120 v. AC. 12 lbs.
51 U 201 X. *$5 Monthly*.................................... **48**

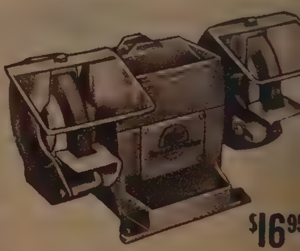
THOR Industrial-Rated Grinders . . Burnout-Proof Moto



$37⁹⁵ $5 monthly



$27⁹⁵ $5 monthly



$16⁹⁵

130B Heavy-Duty Grinder

Thor's best grinder. Heavy-duty ball bearings for smoothness. Extra-duty ⅓-hp, 8.5-amp motor handles toughest jobs. Has removable plastic quench tray, reinforced eye shields, adjustable spark arrestors; otherwise same description as unit at right. U.L., C.S.A. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 27 lbs.
50 U 868 U. *$5 Monthly*...... **37.95**

128B Medium-Duty Grinder

Has ¼-hp, 7.5-amp motor. 3450 rpm no load, Self-aligning, self-oiling bearings. Parts tray, eye shields, heavy-duty steel end shields. Tool rests, angle guides. Aluminum alloy; rubber feet. 2 wheels (46,75 grit) 6x¾″; ½″ ctr. holes. 16″ lg. 3-wire cord, plug. U.L., C.S.A. Listed. For 110-120 v. 60 cycle AC. 25 lbs.
50 U 851 U. *$5 Monthly*...... **27.95**

118B Low-Cost Grinder

For homes, small shops. Self-aligni
self-oiling bearings. 3450 rpm, no lo
Water tray, adjustable tool re
heavy-duty steel end shields,
shields. Aluminum alloy; rubber f
With 2 wheels (40, 70 grit) 4½x
⅜″ center holes. 9¼″ long. 3-w
cord, plug. U.L., C.S.A. Listed.
110-120 v., 60 cycle AC. 11 lbs.
50 U 850 X.................. **16.**

Equip Your Shop Now by Using Your Allied Credit Fu

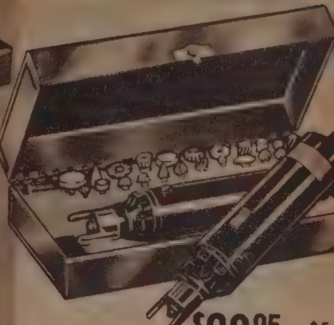
$39^95
$5 monthly
DREMEL

$5 monthly $23^95

Look what it does: engraves, routs, saws, drills, grinds, sands, polishes, buffs, deburrs, carves, counter sinks, cleans and slots—in wood, steel, plastics and glass.

DREMEL

Designed for Heavy-Duty Use



$29^95 $5 month

WORK-SAVING POWER TOOLS FOR AMATEUR OR EXPERT

emel Deluxe Power Workshop

5" Jig Saw, Flexible-Shaft Machine, Disc Sander, Grinder, and Buffer

all Bearing Design • Power Takeoff

DEL 572 MOTO-SHOP. Ball bearing 0-rpm rotary motor. Direct drive, belts. Blade adapts in 3 directions. ble tilts for angle cuts. 15" ca-ity. With 4 blades. Power takeoff for ible-shaft handpiece, attachments.

ndpiece has 1/64 to 1/8" capacity. Oil- bronze bearing, wrenchless chuck. h finger guard, 12-pc. accessory for drilling, grinding, routing, rpening, deburring, carving.

accessories by removing flexible ft, mounting adapter: rubber back- pad, 3 sanding discs, grinder, er, wire brush, wheel guard. In-les polishing compound stick. U.L. ed. For 110-120 v., 60 cycle AC. g. wt., 17 lbs.

U 834 X. *$5 Monthly*...... **39.95**

Dremel Hobbyist Moto-Tool Kit

- Precision "Machine Shop" in Your Hand
- Amazingly Versatile • Fast Action
- Grinds, Polishes, Engraves, Routs

MODEL 2. Most versatile tool you can own! Kit includes Model 221 Moto-Tool. Features .65-amp motor, wrenchless chuck, oilless sealed bearing, and hardened, ground and polished oversize armature shaft; cord protector. Weighs just 13 ounces.

Also: 3 collets, 1/16", 3/32", 1/8"; finger grip; 4 emery wheel points; dressing stone; 8 high-speed steel carving cutters; high-speed steel saw; 3 bristle brushes; steel brush; shoulder mandrel with felt wheel; 1/2" drum sander; metal carry case. 3-wire cord, plug; 2-prong adapter. U.L. Listed. For 110-120 v. AC-DC. 4 lbs.

50 U 436. *$5 Monthly*.......... **23.95**

MODEL 221 MOTO-TOOL ONLY. 3 lbs.

50 U 598.......................... **16.95**

Dremel Heavy-Duty Moto-Tool K

- Has .9-Amp Heavy Duty Motor
- Wonderful Tool for Both Home and Sho

MODEL 3. Same accessories as kit left, but features *heavier duty* Mod 3 Moto-Tool. Its greater torque cove more demanding jobs: production de burring; grinding, polishing of die molds; pattern making; industri model building. Lightweight, 18 o

Develops 27,000 rpm and sustains hig torque under heavy load. High-velocit fan cools motor even under heav loads. Dynamic balancing assures v bration-free, precision grinding—hold close tolerances. Cord protecto Shockproof bakelite housing, 1^11/ dia. by 7 1/2" long. 3-wire cord, plug 2-prong adapter. U.L. Listed. Fo 110-120 v. AC-DC. 4 lbs.

51 U 213. *$5 Monthly*.......... **29.9**

MODEL 3 MOTO-TOOL ONLY. 3 1/2 lbs

51 U 265. *$5 Monthly*.......... **22.9**

MOODY *Precision Miniature Tool Sets*

B

C

D

E

C-5 SCREWDRIVER SET. 4 screwdrivers, 001", .055", .070", .080", .100". Chuck dle. Plastic case. Wt., 5 oz.

152.................. **Per Set .99**

DE-5 OPEN-END WRENCH SET. Offset. teel. Chuck handle. 5/64", 3/32", 7/64", 5/32". Plastic case. Wt., 5 oz.

126.................. **Per Set 1.64**

S-5 TINY TAP SET. 5 steel taps. Chuck andle, plastic case. Sizes: 0-80, 1-72, , 3-48, 4-40. Wt., 5 oz.

647.................. **Per Set 3.20**

D **BW-5 MAGNETIC SOCKET WRENCH SET.** 5 steel hex wrenches with magnetized, swivel-top handles. 5/64", 3/32", 7/64", 1/8", 5/32". Nickel-plated chuck handle. Plastic case. 5 oz.

51 U 021.................. **Per Set 2.59**

E **JS-6 JEWELER'S SCREWDRIVER SET.** 6 screwdrivers, knurled handles, steel blades. Chuck noses precisely grooved to key blade size to user's touch. .025", .040", .055", .070", .080", .1". With case, 3/4x4x4". Meets U.S. Gov't. specs.

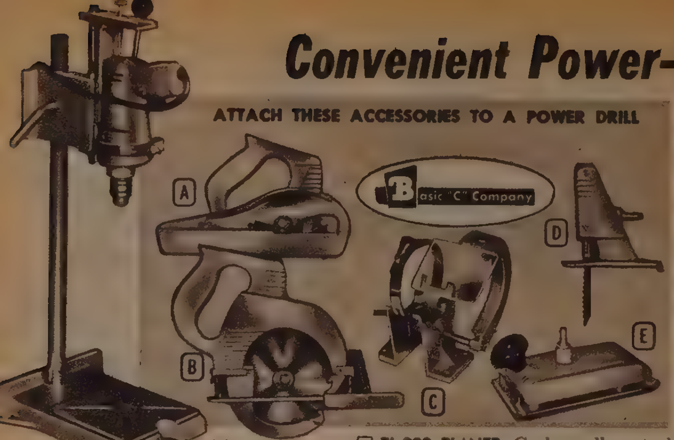
50 U 384. 1/2 lb.............. **Per Set 2.89**

36 Pieces $12^95

TINY TOOL SET. 6 different sets each with its own chuck handle plastic case. 4 screwdrivers (.05", .07", .08", .1") 1" awl; 2 Phillips screwdrivers (#0, 1); 3 Allen wrenches (#4, 6, 8); OE-5 open-end wrench set & TS-5 tap set, see left; BW-5 socket wrench set (nonmagnetic); 5 matching tap drills. Leather-like case. 2 lbs.

51 U 022................... **12.95**

Convenient Power-Drill Accessorie


ATTACH THESE ACCESSORIES TO A POWER DRILL
A
B
C
D
E
Basic "C" Company

Adjusts to Any Angle

DP-800 Drill Press Stand

$10.98
- Has Universal Mount
- Table Tilts to Adjust to Any Angle

Low-cost stand, with universal mount, converts most ¼", ⅜", and ½"-compact power drills to lever-operated drill press. Ruggedly constructed stand features two-position mounting: vertical position for drilling; horizontal position for wire-brushing, grinding, sharpening, polishing, removing paint, etc. All you do is attach proper accessory (see the many accessories described on this page). Positive-action locking holds drill securely at selected height. Has depth gauge for 0 to 3 inches. 4½-inch throat. Rugged 6-inch-square aluminum base. 18" high. Wt., 9 lbs.
50 U 456..............**10.98**

A **PL-200 PLANER.** Carbon alloy steel cutter cuts 1¾" wide. Depth adjustment. Wt., 3 lbs.
50 U 472..............**4.44**

B **SA-400 CIRCULAR SAW.** 5" chrome-nickel-moly steel blade for cross-cut or rip sawing. Adjusts to bevels from 90° to 45°, 5° increments. Safety guide. Depth adjustment. Graduated rip fence. 4 lbs.
50 U 495..............**6.85**

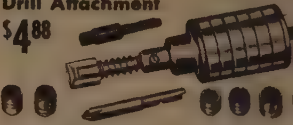
C **DS-500 HORIZONTAL STAND.** For ¼" and ⅜" drills. Die-cast base. Adj. wheel. Eye shield. Worm-drive stainless clamp. 1 lb.
50 U 509..............**2.69**

D **SS-300 JIG AND SABRE SAW.** ⅝" stroke. Cuts own starting hole. With hack, woodworking, and scroll blades. Wt., 3 lbs.
50 U 473..............**4.44**

E **SA-10 SANDER.** Steel shaft. Ball-bearing. Sheet of coarse, medium, fine sandpaper. 4 lbs.
50 U 451..............**4.44**

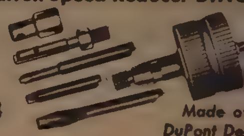
Warren Nut and Screwdrive
Drill Attachment

$4.88



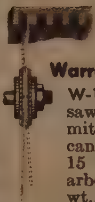
W-500. Fits any drill. Non-slip, inc trial type clutch. 6 sockets, ¼"- Standard and Phillips bits. Unive bit finder. Takes standard push or any ¼" drive socket wrench. St automatically. 1 lb.
50 U 510..............**4.**

Warren Speed Reducer Drive


Made o DuPont De

$9.98

W-301. Permits you to use drill screwdriving, tapping, drilling, n driving, masonry and steel drilli Forward speed reduction is 4 to 1. verses instantly. 1½ lbs.
50 U 513..............**9.**

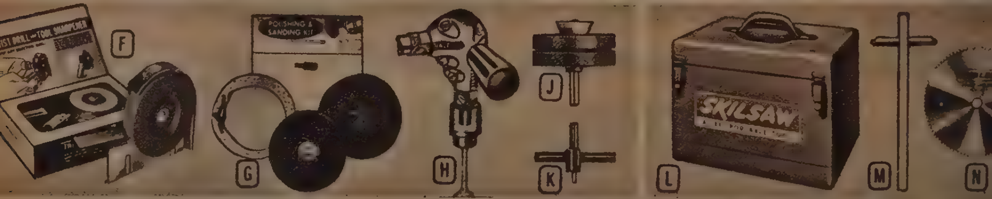


$3.98 Per Set

Warren Dado Saw Washers

W-100. Washers go on circu saw quickly, and remain on, p mitting saw to groove wood. Y can dial the desired width in j 15 seconds. For use with arbor. **Pkg. of 4 washers.** Sh wt., ½ lb.
50 U 543..............**3.**

Your Power Drill Can Do More Jobs with These Accessories



F **ARCO 220 DRILL BIT SHARPENER.** For any power drill. You get: 3" aluminum-oxide grinding wheel with ¼" shank and guard; drill holder for sharpening bit up to ½"; adjustable rest for tools. 1½ lbs.
51 U 037..............**1.39**

G **ARCO 305 5" POLISHING AND SANDING KIT.** For any power drill. Includes: flexible molded rubber head with ¼" adapter; lambswool bonnet; sanding disc. Shpg. wt., 1 lb.
51 U 038..............**1.25**

J **BABCO KNIFE/SCISSOR SHARPENER.** For any ¼" drill. Beveled groove between grinders sharpens knives. Cup-guide on shaft holds scissors at proper angle. 5 oz.
50 U 377..............**.75**

H **ARCO 350 2-SPEED SWIVEL ANGLE-DRIVE.** For ¼" drills. 2:1 gear ratio—reversible. Halves speed, or doubles it. Wt., 1½ lbs.
51 U 040..............**3.45**

K **GENERAL-HARDWARE CIRCLE CUTTERS.** Round shank for drill press. Square shank for hand brace. Removable pilot drill. Wt., 8 oz.

Stock No.	Shank	Hole Size	EACH
50 U 245	Round ¼"	⅞"-4"	1.69
50 U 246	Square	1"-6"	2.10
50 U 247	Round 5/16"	1"-6"	2.10
50 U 224	Round ½"	1"-6"	2.10
50 U 225	Round ½"	1¾"-8"	4.64

50 U 248. Extra Blades. 4 oz....Ea. .44

L **SKIL SAW CARRY CASE.** For Skil 5½", 6½", 7¼", 8¼" saws.
50 U 827 X. Wt., 12 lbs..............**11.95**

M **SKIL 17984 RIP FENCE.** For Mo 536 saw. Wt., 4 oz.
50 U 278..............**1.**
50 U 969. 25341 Rip Fence. For 5 553, and 554 saws. 4 oz..............1.
50 U 970. 25174 Rip Fence/Circle-C ter. For 524 saw. 4 oz..............1.

N **CHICAGO SAW UNIVERSAL BLAD** Circular. Fit diamond, ½", round arbors. *Chisel tooth. 1 lb.

Stock No.	Type	Dia.	Style	EA
50 U 563	C-612-UN	6½"	Comb.*	1.
50 U 564	C-714-UN	7-7¼"	Comb.*	1.
50 U 964	C-814-UN	8-8¼"	Comb.*	1.
50 U 565	L-612-UN	6½"	Cut-off	1.
50 U 566	L-714-UN	7-7¼"	Cut-off	1.
50 U 963	L-814-UN	8-8¼"	Cut-off	1.
50 U 567	A-612-UN	6½"	Rip	1.
50 U 568	A-714-UN	7-7¼"	Rip	1.
50 U 962	A-814-UN	8-8¼"	Rip	1.

Please Be Sure to Show Your Zip Code When Filling Out Our Order Blo

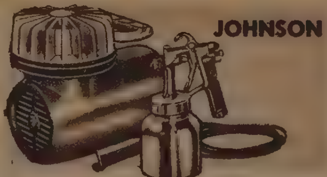
Paint Sprayers, Drill Bits, Staplers

All-Purpose Spray Outfit

9.95
onthly

- External-Mix Pressure Gun
- Gives Uniform Spray

ures external mix gun that handles most kinds of paint, including y-duty house, porch and barn s. With 1-pint glass container, 10 air hose. ⅛-hp universal motor. 110-120 v., AC or DC.
358 X. 10 lbs. **19.95**
643. Extra 1-Quart Container for e. ¾ lb. **1.49**
837 X. Carry Case. 2½ lbs. . . **3.89**



⅓-Horsepower Paint Sprayer

$59.65
$5 monthly

- Piston-Type Compressor
- Has Sealed Ball Bearings

Professional quality. Piston-type compressor and motor have heavy-duty, sealed ball bearings. Sprays every kind of light and heavy-duty paint, as well as enamels and varnishes. Also sprays insecticides, weed killers, fertilizers, and most other liquids. With fan nozzle, 15-ft. air hose, tire chuck. For 110-120 v., 60 cy. AC.
51 U 129 U. Wt., 30 lbs. **59.65**

BVI
$11.88
Sapphire Nozzles

Burgess Electric Paint Sprayer

Handy low-cost, portable unit sprays varnish, enamel, lacquer, shellac, garden sprays, insecticides, weed killers, and mothproofers. Compact compressor-type sprayer has genuine sapphire nozzles. Does the job fast! Can be cleaned in about 5 seconds. Corrosion-proofed. For 110-120 volts, 60 cycle AC. Shpg. wt., 4½ lbs.
50 U 715 . . . . **11.88**

Fast-Cutting Precision Drill Bits for Every Job

ENTURY 14-DRILL SET. 1/16" to ½". lastic case.
103. Shpg. wt., 13 oz. **10.29**

URY 10-DRILL SET. 1/16"-½". ¼" shank. (Not ill.) Plastic case.
102. Shpg. wt., 9 oz. **7.49**

ENTURY MASONRY SET. ¼", 5/16", ", ½". ¼" shanks.
528. Shpg. wt. 5 oz. **2.95**

NEISLEY MINIATURE SET. 20 drills om No. 61 (.039") to No. 80 5"). ⅛" shank. Chuck.
531. Shpg. wt., 6 oz. **6.95**

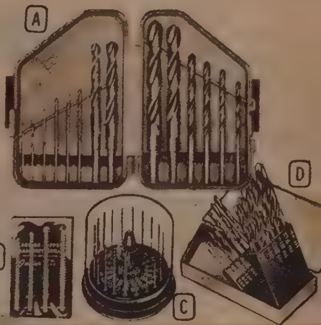
ENTURY 15-DRILL SET. 1/16" to ½" 32nds. Sizes over ¼" have ¼" ks. Metal index case.
094. Shpg. wt., 3 lbs. **15.49**

CENTURY 13-DRILL SET. (Not illus.) 1/16"-¼" in 64ths. Plastic case.
50 U 092. Shpg. wt., 9 oz. **4.79**

CENTURY 60-DRILL SET. (Not illus.) Sizes 1 to 60. Metal index case.
50 U 100. Shpg. wt., 1¼ lbs. . . . **19.79**

CENTURY BITS. 1/16"-½" and larger, have ¼" shanks. Av. wt., 3 oz.

Stock No.	Size	EACH	Stock No.	Size	EACH
50 U 756	1/16"	.22	50 U 765	3/16"	.44
50 U 758	5/64"	.22	50 U 766	7/32"	.56
50 U 759	3/32"	.23	50 U 767	15/64"	.61
50 U 760	7/64"	.26	50 U 768	¼"	.65
50 U 761	⅛"	.30	50 U 611	5/16"	1.10
50 U 762	9/64"	.30	50 U 612	⅜"	1.56
50 U 763	5/32"	.35	50 U 613	15/32"	2.70
50 U 764	11/64"	.38	50 U 614	½"	2.74



Complete Stapling Kit

$14.57

Versatile Arrow Staplers Do the Job Efficiently

21 JR. STAPLER. Low-priced stap g gun, made to order for all fastening jobs around your home ce. Has safety lock handle, built- ple extractor, and visual refill oads 100—.025" staples. 3x6⅛x ess staples, right. 1 lb.
[illegible] **3.97**

5 WIRE STAPLER. For low-voltage res up to ¼" diameter, as ther- t, phone, intercom wire. Chrome- ed steel. Tapered head. Grooved- positions wire. Crown fits wire . Loads 85 staples of .050" wire. 5½x7¾". Less staples, right. wt., 2¼ lbs.
467 . . . . **12.49**

F **T-55 INTERMEDIATE STAPLER.** Excellent "in-between" light and heavy-duty stapler. Chrome-plated, solid-steel construction. Jam-proof mechanism. Loads 85—.050" staples. Less staples, at right. 2¼ lbs.
51 U 829 . . . . **7.49**

STAPLES FOR ARROW GUNS. Av., 1 lb. T-CT (for T-50, 55) for ceiling tile.

Stock No.	For Model	Size	Lgth.	Quantity	EA.
50 U 251	JT-21	13/32"	¼"	1000	.49
50 U 252	JT-21	13/32"	5/16"	1000	.49
50 U 273	T-50, 55	⅜"	5/16"	5000	2.20
50 U 276	T-50, 55	⅜"	⅜"	5000	2.29
51 U 654	T-CT	⅜"	9/16"	5000	3.20
50 U 275	T-25	¼"	9/16"	5000	3.74

H **T-50MP STAPLING KIT.** Features heavy-duty T-50 stapler that can easily mend screens and window shades, fasten ceiling tile, wire, or party decorations. Kit consists of: T-50 stapler; screen attachment; shade attachment; hardened-steel staple-lifter; 2000—¼" staples; 1000—⅜" staples; 1000—½" staples; 1000—Ceil-Tile staples. T-50 stapler takes ¼"-9/16" staples. Loads 85—.050" wire staples. Has powerful double leverage action, and jam-proof mechanism. Chrome-finished steel. 2 lbs.
50 U 466. Complete Kit **14.57**
51 U 653. T-50 Stapler Alone. Shpg. wt., 2¼ lbs. **10.41**

Professional-Quality Socket Tool Sets

QUALITY TOOL SETS

- Heat-Treated, Tempered Alloy Steel
- Every Piece Has Heavy Chrome Plating
- Meet U.S. Government Specs GGG-W641-b and GGG-W-641c

90-pc. Deluxe Set
$59.95 $5 monthly

90-piece Combination ½″, ⅜″ and ¼″ Drive Socket and Wrench Set

Deluxe tool set for the home mechanic or professional. All tools are precision made of tough, forged alloy steel with bright chrome-plated finish. Set contains: **17-pc. ¼″ drive set** with four 6-pt. sockets (3/16″ to 9/32″), four 12-pt. sockets (5/16″ to 7/16″), three 8-pt. sockets (¼″ to ⅜″), reversible ratchet, hinge handle, crossbar, sliding tee handle, 3″ extension, 6″ extension, metal storage box; **20-pc. ⅜″ drive set** with seven 12-pt. sockets (⅜″ to ¾″), eight 12-pt. deep sockets (⅜″ to 13/16″), hinge handle, crossbar, universal joint, 3″ extension, ratchet; **21-pc. ½″ drive set** with f
12-pt. sockets (7/16″ to 1⅛″), 5″ extension, 10″ exte
hinge handle, sliding tee handle, long speeder, reve
ratchet; 11-pc. set-screw set (.035″ to ⅜″); **12-pc. S**
set with 3 screwdrivers, 7 nutdrivers (3/16″ to ½″), c
type handle, pouch; **8-pc. open-end set** (sizes ⅜″ to
Metal carrying case with hammertone finish, 6½x
4¾″. Shpg. wt., 30 lbs.
50 U 995 U. *$5 Monthly*........................5

60-pc. Value Set
$39.95 $5 monthly

60-piece Combination ½″ and ¼″ Drive Socket and Tool Set

For the home workshop, or the garage. Includes nineteen ½″ drive pieces: thirteen 12-pt. sockets (7/16″ to 1⅛″); round-head ratchet; hinge handle; speeder; 5″ extension; 10″ extension; draglink screwdriver bit. Fifteen ¼″ drive pieces in separate metal box: 8 hex sockets (3/16″ to 7/16″); three 8-pt. sockets (¼″ to ⅜″); reversible ratchet; hinge handle; cross bar; 3″ extension. 9 open-end wrenches (5/16″ to 1″). 4 box-end wrenches (⅜″ to 25/32″). Center punch; chisel; 7 wrench keys (5/64″ to ¼″) in pouch. In metal box, 20½x6½x4¾″, with removable tray. Shpg. wt., 21 lbs.
51 U 284 U. *$5 Monthly*...**39.95**

37-pc. ¼″, ⅜″ Set
$19.95 $5 monthly

37-piece ¼″ and ⅜″ Drive Socket Set has 8 Deep Sockets

Homeowner's special. Perfect for mechanical and electrical work around the house. ¼″ drive socket set consists of: 11 sockets—4 regular 12-pt. sockets, 5/16″ to 7/16″; 4 hex sockets, 3/16″ to 9/32″; 3 regular 8-pt. sockets, ¼″ to ⅜″; 1 hinge handle; 1 crossbar. ⅜″ drive socket set has: 15 sockets—7 regular 12-pt. sockets, ⅜″ to ¾″ in 1/32″ steps; 8 deep 12-pt. sockets, ⅜″ to ¾″ in 1/32″ steps; 1 hinge handle; 1 crossbar; 1—3″ extension; 1 round head reversible ratchet; ⅜″ to ¼″ adapter for ratchet; ¼″ driver with plastic handle. Metal box, 17¾x3¼x 2″. Shpg. wt., 8 lbs.
50 U 694 X. *$5 Monthly*...**19.95**

17-pc. ½″ Set
$19.50 $5 monthly

17-piece ½″ Drive Socket

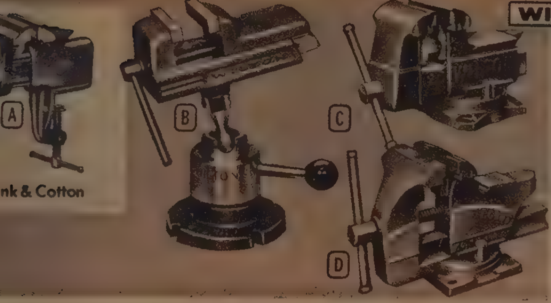
Made to handle normally inacces
jobs. Includes: eleven 12-pt. soc
7/16″ to 1″ in 1/16″ steps, plus 1¼
extension; 10″ extension; 6″ e
sion; speeder; reversible rat
handy metal carrying case with
mertone finish. 16¼x3½x2″. S
wt., 3 lbs.
51 U 244 X. *$5 Monthly*......19

16-pc. ¼″ Set
only $7.95

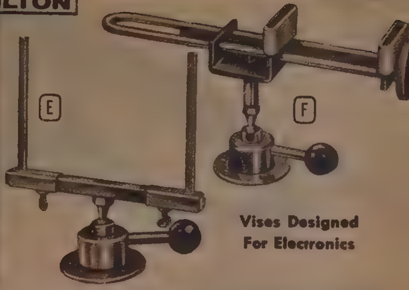
16-piece ¼″ Drive Socket

For electrical and mechanical w
Consists of: 11 sockets—4 regula
pt. sockets (5/16″ to 7/16″); 4 hex soc
(3/16″ to 9/32″); 3 regular 8-pt. soc
(¼″ to ⅜″); reversible ratchet; h
handle; crossbar; 3″ extension; ha
metal carrying case. 6½x2¾x1
Shpg. wt., 1½ lbs.
51 U 209...........................7

Famous-Name Tools for Electronics



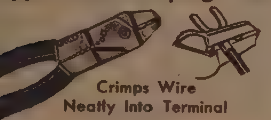
WILTON



RINK & COTTON NO. 149 OBBYIST VISE. Securely s small parts for soldering, and cutting. Extremely th, easy action. Sturdy, stable clamp for any bench o 2″ thick. Jaws are 1¾″ ; open up to 1¾″. Shpg. 2¾ lbs.
317 . . . . **1.89**

ILTON MODEL 364 VISE ND POSITIONER. Ideal for electronic assemblies or . Single-handed release of ium-plated steel PowR- positioner permits rotat- r tilting work. Max. work at, 15 lbs. at 6″. Jaws, 2¼″ ; open, 2¼″. 5 lbs.
149 . . . . **14.87**

aco No. 1963 Wire Cutter, ripper and Crimping Tool



es perfect electrical connections ly and easily. Tool cuts wire to ed length, strips off insulation, crimps it neatly into terminal in atter of seconds. Also includes y bolt-slicing feature for clean, less removal of bolts. 1 lb.
048 . . . . **4.85**

SSORTED SOLDERLESS TERMINALS. nsulated. For above.
357. Wt., 8 oz. . . . . . **Per Pkg. 98¢**

euter Cluster Wrench Sets

25005 OPEN-END SET. Five pieces, to ¾″. Drop forged from fine- controlled steel. Satin-chrome . Contained in metal clip. Shpg. lb.
216 . . . . **1.98**

5 COMBINATION WRENCH SET. end open, other box wrench. Drop d; satin-chrome. 5-pieces, ⅜ to lb.
218 . . . . **2.49**

C WILTON MODEL 645 UTILITY VISE. Heavy duty. Large reinforced forming horn and polished anvil. 3/16″ formed steel slide. Serrated steel replaceable top jaws, 4¼″ wide; open to 4½″. Hardened steel replaceable pipe jaws accept ⅛-2½″ pipe. Shpg. wt., 26 lbs.
50 U 238 U **19.95**

D WILTON MODEL C55 VISE. Sturdy, low-cost bench vise. Jaws open to 4¼″; feature removable steel inserts with heavy serrations; built-in pipe jaws; positive-locking swivel base. Anvil with forming horn. Jaw width, 4½″; depth, 3″ Shpg. wt., 19 lbs.
50 U 489 X **7.89**

E Wilton PC Holder with Positioner

MODEL 371. Mounts directly on "PowRarm" 345 Positioner (supplied). Compact device is designed for low-cost printed circuit (PC) production. Brackets adjust horizontally 3″ to 6″. Vertical posts are V-grooved (⅛″ wide, 3/16″ deep) for speedy insertion and removal of work without adjustment. Post height, 4″. Shpg. wt., 2 lbs.
51 U 211 . . . . **8.80**

F Electronics Vise with Positioner

MODEL 353. Mounts on Midget "PowRarm" 345 Positioner (supplied). Designed for holding small subassemblies and printed circuit (PC) boards. Vise holds work firmly but gently with rubber-protected jaws. Constructed of heavy-gauge steel with double slide bars; opening adjusts quickly and precisely to 6½″ with crank handle. Shpg. wt., 3 lbs.
51 U 210 . . . . **11.25**

Heavy-Duty Wire and Cable Strippers

G G-C 766K WIRE STRIPPER KIT. Versatile wire stripping kit includes: Model 766 deluxe wire stripper; 7 interchangeable blades for stripping wires from No. 8 through No. 30 gauge; helpful blade guide; and a sturdy plastic storage case. Model 766 stripper features fully automatic, delayed-return action to prevent the pulling on or crushing of fine wires. Has narrow easy-grip handles and hardened steel blades. Shpg. wt., 2¼ lbs.
50 U 389 . . . . **12.90**

50 U 387. Model 766 Wire Stripper Only. Strips No. 12 through No. 20 wires. Wt., 1¼ lbs. **5.81**

50 U 388. Model 766A. As above, but for No. 14 through No. 30 wires. Shpg. wt., 1¼ lbs. **5.81**

J K. MILLER COAXIAL CABLE STRIPPER. Strips, cuts, and slits coaxial cable. Quality engineered for years of dependable service. Adjustable blades are preset for RG59/U cable. Extremely tough, tool steel blades. Shpg. wt., 8 oz.
50 U 339 . . . . **13.47**

H K. MILLER 101-S WIRE STRIPPER. Strips insulation or cuts wire up to No. 8, solid or stranded. Spring-lock holds blades closed when not in use. 5″ long. 4 oz.
50 U 392 . . . . **1.17**

K. MILLER MODEL 100 WIRE STRIPPER. Same as 101-S listed above, but no spring-action to hold blades closed. Shpg. wt., 4 oz.
50 U 338 . . . . **87¢**

K UTICA MODEL SW-1 "STRIPWRIGHT" WIRE STRIPPER. Gripping jaws prevent wire nicking, insulation marking. Strips teflon and other insulations. Cam-action calibrated dial adjusts to wire sizes from No. 12 through No. 26, both solid and stranded types. Ideal for working in limited access areas; permits wire stripping at any point. With comfort-grip handles. Shpg. wt., 7 oz.
50 U 680 . . . . **15.71**

L G-C 802 WIRE STRIPPER. Automatic stop, return. Has wire cutter. For No. 10 to No. 22 wires. Shpg. wt., 8 oz.
50 U 341 . . . . **5.81**

Everyone Needs a Dymo Tapewriter®

New M-14 Label-Maker Makes ¼" or ⅜" Tapes

IT'S EASY TO MAKE DURABLE LABELS

Dial the letter, number symbol. Squeeze handl When finished, squeeze th trigger and you're holdin a bright, adhesive, embosse label ready to apply!

$21⁹⁵ $5 monthy **M-10 Kit**

Deluxe Chromed Tool

$12⁹⁵ M-4 Kit

Save Money on Handy Kits!

A M-10 Tapewriter Kit Meets Every Need

- 3 Wheels Offering 5⁄32" and Giant 3⁄16" Characters
- Embosses ¼" or ⅜" Tape
- Polished-Chrome Tool

Label-making *can* be versatile. Even prints letters vertically! 9" long. With six ⅜", four ¼" rolls of assorted-color tape. Texon case. 3x9x6". 2 lbs.
50 U 355. Save $3.16 Off Separate Prices.......21.95

50 U 353. M-10 Tapewriter Alone. With two wheels and 12-ft. roll of tape. 13 oz.......**14.95**

B M-4 Kit for Home Label-Making

- Embosses Forty-Six ⅛" Characters on ¼" Tape
- 6½-oz. Beige Cycolac-Plastic Body
- 6½" Long

Complete with nine 12′ rolls of assorted-color tape; one 6′ roll. Texon case. 2⅞x9x5¾". 1½ lbs.
51 U 466. Save $1.94 Off Separate Prices.......12.95
51 U 142. M-4 Alone. One 6-ft. Tape. 10 oz.......**6.88**
51 U 804. M-38 Kit. Save $2.29. As above kit, but embosses ⅜" tape (5⁄32" characters).......**14.49**
51 U 803. M-38 Alone. One 12-ft. Tape.......**6.88**

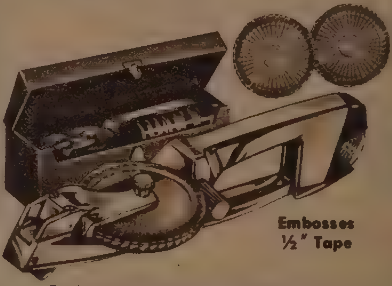
M-14 Tapewriter Embosses Two Sizes of

With Roll of Tape

$10⁸⁸

- Embosses Tape ¼" or ⅜" Wide
- Rugged 9"-Long Die-Cast Zinc Bod
- Finished in Charcoal Gray Ename

Every day a new use for a label-maker pops up in h office, store or workshop. Now Dymo introduces a low-cost Tapewriter with an all-metal body that en years of extra-convenient use. The M-14 embosse or ⅜" tapes. Has easy-to-read "see-thru" dial with and regular letter spacing. Rugged die-cast zinc bo 9" long and finished in charcoal-gray enamel. Feature Basic character wheel offering 5⁄32" characters cov A-Z 0-9 $ ¢ % & . ' - / . Supplied complete with on foot roll of tape (see below for all available tape colors, lengths, and types). Wt., 13 oz.
50 U 354.......1



Professi Kit Sav You Mo

SAVE $5 COMPLE KIT

$49⁹⁵

$5 mont

Embosses ½" Tape

Deluxe M-29 Tapewriter Kit, Dymo's Be

Capable of embossing ¼" characters on ½" tape M-29 is king of label-makers. Cuts *round or square* cor Chromed aluminum-alloy body combines light w with durability. "See-thru" dial. Wide and regular l spacing. Supplied with *three* character wheels—**Basic** characters): A-Z 0-9 $ ¢ % & . ' - / . **Vertical** (7⁄32"): emb perpendicular to tape width; **Giant** (¼") A-Z 0-9 . -. Inc five 12-ft. assorted-color rolls of tape, and five ass gold-striped rolls. Sturdy Texon carrying and st case, 4¼x5x13". Shpg. wt., 4 lbs.
50 U 996. Save $5.50. *$5 monthly*.......**49**
50 U 997. M-29 Alone. With Basic and Giant char wheels, only. Less tape (below). 2½ lbs.......**3**

Genuine DYMO Label-Making Tape for All Tapewriters on this Page

Dymo's plastic embossing tapes have pressure-sensitive adhesive backs. High-gloss finish resists dirt, moisture, most acids, oil and grease. Finished labels stick to almost any clean, smooth surface; can withstand temperatures up to 150°F. Can even be used outside; hold up well i weather. Assorted colors, to color-code for identifica Available in solid and gold-striped colors. Colors (not may be assorted for extra savings. Av. shpg. wt.,

Stock No.	Label Size	Use With Labelmaker	Feet Per Roll	Type	Colors—Be Sure to Specify Choice	EACH	R
						1-6	6
51 U 473 C	¼"	M-4, M-10, M-14	12	Solid	Clear, Red, Orange, Blue, Green, Yellow, Brown, Black, Gray, Gold	.98	
50 U 884 C	⅜"	M-10, M-14, M-38	12	Solid	Red, Orange, Blue, Green, Yellow, Brown, Black, Gold	1.25	
51 U 017 C	⅜"	M-10, M-14, M-38	10	Striped	Red, Blue, Green, Brown, Black	1.50	
50 U 903 C	½"	M-29	12	Solid	Clear, Red, Orange, Blue, Green, Brown, Black	1.65	
51 U 009 C	½"	M-29	12	Striped	Red, Blue, Green, Brown, Black	1.95	

Precision-Crafted Shop Tools

Ace S613 Tap and Die Set

2.95 **Ideal for the Hobbyist and Homeowner**

rts are made of high-carbon, red steel. Supplied complete handsome wood carrying case, cessed pocket for each part. Set s of one each, plug tap and die: -32, 8-32, 10-24, 10-32, and 12- D. of screw adjusting die, 13/16". lbs.

88 . . . . **12.95**

E 20 SCREW EXTRACTOR SET. Removes ken screws (5/32"-5/8"), bolts, studs, and 1/8"-1/4"). Drill required is marked on tor. Parts made of heat-treated alloy steel. ood case. 1 lb.

75 . . . . **2.19**

TAP AND DIE SET. (Not Illus.) One each, ap and die: 1/4-20, 5/16-18, 3/8-16, 7/16-14, NC; 1/2-28, 5/16-24, 38-24, 7/16-20, 1/2-20 NF; pe; tap and reamer wrench; die stock. dies, 1" diameter. Hardwood case. Shpg. lbs.

89 . . . . **15.95**

gna-Sighter" 3-Dimensional gnifiers Prevent Eyestrain

Magnify up to 3½ Times

w As

6.95

With "Magna-Sighter" You Work in Comfort, Both Hands Are Free

derful help for anyone who must e work. These lightweight binoc- magnifiers permit you to do your vork without suffering eyestrain. na-Sighters" offer three-dimen- magnification up to 3½ times. re precision-ground and polished tic lens. Headband is adjustable ure comfortable fit for anyone. an choose from four different fication powers. Av. shpg. wt.,

No.	Distance	Magnifies	EACH
174	14"	1¾X	6.95
175	10"	2¼X	6.95
176	8"	2¾X	6.95
177	4"	3½X	8.25

B Ace Radio Tap and Die Set

$7.49 **Features Threads Most Often Used in Radio Work**

Model 21, 12-piece set is excellent for radio servicemen, experimenters and engineers. Consists of one each, plug tap and die: 6-32, 8-32, 10-24, 12-24, 1/4-20; plus one offset tap and reamer wrench. Solid dies, 1" in diameter. High-carbon, tempered steel. Wood carrying case. 3 lbs.

50 U 318 . . . . **7.49**

GREENLEE CHASSIS PUNCHES AND SCREWS

E TYPE 733 "D" PUNCHES. Cut "D" shape openings in chassis and panels. For up to 16-gauge metal. Just use ordinary wrench. Requires 3/8" starting hole. Shpg. wt., 2 lbs.

50 U 973. For 1/2" hole. **4.16**
50 U 974. For 5/8" hole. **4.41**

F Type 731 SQUARE PUNCHES. Cut square openings in chassis, cabinets and panels. Oblong or larger rectangular openings made by overlapping cuts. Up to 16-gauge metal. Requires ordinary wrench and 1/2" starting hole. Shpg. wt., 2 lbs.

50 U 397. For 1/2" hole. **4.85**
50 U 398. For 5/8" hole. **4.99**
50 U 399. For 3/4" hole. **5.73**
50 U 408. For 1" hole. **6.96**

G TYPE 732 "KEY" PUNCHES. Cut holes for keyed radio sockets or other components. For up to 16-gauge metal. Needs ordinary wrench. Requires 1/2" starting hole (except 50 U 386, 1/4" hole). Wt., 1½ lbs.

50 U 386. For 15/32" hole. **4.51**
50 U 379. For 15/16" hole. **4.61**
50 U 380. For 1 11/64" hole. **5.14**
50 U 381. For 1 17/64" hole. **5.78**

C Ace 39-Piece Tap and Die Set

$27.95 **$5 monthly** **Contains All Popular Sizes**

Model S614V has one each, plug tap and die: 4-36, 6-32, 8-32, 10-24, 10-32, 12-24 (MS Std.); 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13 NC (US Std.); 1/4-28, 5/16-24, 3/8-24, 7/16-20, 1/2-20 NF (SAE Std.); 1/8" pipe; die stock; tap-reamer and "T" tap wrenches; screwdriver and screw pitch gauge. 4 lbs.

50 U 391. *$5 Monthly*. **27.95**

Ace Individual Taps and Dies

High-carbon alloy steel and lab-controlled heat treatment ensure long life and clean, accurate threads. 2 oz.

Size	Tap	EACH	Die	EACH
4-36	51 U 214	.34	51 U 225	.52
6-32	50 U 525	.34	51 U 226	.52
8-32	50 U 526	.34	51 U 227	.52
10-32	51 U 219	.38	51 U 228	.52
10-24	51 U 223	.38	51 U 229	.52
1/4-20	51 U 224	.41	51 U 242	.52

51 U 246. Tap Wrench. "T" handle unit for above taps. 2 oz. . . . . **.53**

H BALL-BEARING DRIVE SCREWS. Minimize "muscle power" needed for Type 730 chassis punches, below. Reduce friction between drive screw and punch. 1 lb.

50 U 604. AV322-BB. 11/16" to 7/8". . . **.91**
50 U 605. AV112-BB. 1" to 1½". . . . . **.99**
50 U 169. AV304-BB. 2" punch. . . . **2.41**

REPLACEMENT CAP SCREWS. For Type 730 punches, below. 4 oz.

Stock No.	Size	For Punch Size	EACH
50 U 376	1/4"	1/2" and 5/8"	.29
50 U 378	3/8"	11/16" to 7/8"	.29
50 U 336	3/8"	1" to 1¼"	.34

J TYPE 730 ROUND PUNCHES. Cut holes in chassis, cabinets and panels. Swiftly cut through up to 16-gauge metal, bakelite and hard rubber. Use ordinary wrench to operate. 1½ lbs.

Stock No.	Hole Size	Lead Size	EACH
50 U 337	1/2"	1/4"	2.30
50 U 349	5/8"	1/4"	2.30
50 U 306	11/16"	3/8"	2.30
50 U 340	3/4"	3/8"	2.30
50 U 342	7/8"	3/8"	2.30
50 U 343	1"	3/8"	2.55
50 U 344	1⅛"	3/8"	2.65
50 U 347	1¼"	3/8"	2.65
50 U 327	2"	3/4"	6.57

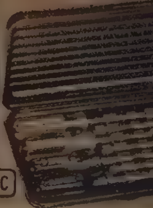
XCELITE Rugged Screwdrivers and Nutdrive

Service Master Tool Kit

$23.63
$5 monthly

- 23-Piece Set
- Handy Roll-Up Kit
- Hundreds of Uses

MODEL 99SM. Versatile set provides a variety of quick-change tools and tool combinations; speeds assembly and service work. Kit includes: long nose pliers; 6" adjustable wrench; 9 regular nutdrivers from 3/16" through 1/2"; 1/4", 5/16" and 3/8" stubby nutdrivers; 3/16" and 9/32" slotted screwdrivers; No. 1 Phillips screwdriver; 1/8" to 3/8" reamer; 1/4" to 1/2" reamer; 8" extension. Durable, vinyl-coated canvas roll-up case with separate pocket for each tool. Shpg. wt., 2 3/4 lbs.
50 U 162. *$5 Monthly*........**23.63**



A Screwdriver/Nutdriver Set

MODEL 99PR. Total of 12 pieces in vinyl case. Includes: 9 nutdrivers 3/16" to 1/2" in 1/32" steps; 2 reversible screwdrivers; plastic handle. All units have chrome-plated shafts and blades. Shpg. wt., 2 lbs.
50 U 259........................**8.97**

MODEL 99X10. 8" extension for 99SM (left) and 99PR (above). 5 oz.
50 U 272........................**87¢**

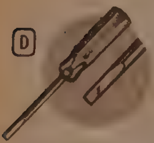
B Hollow-Shaft Nutdriver

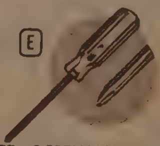
MODEL HS6-18. Set of 10 hollow nutdrivers supplied in rugged ca case. Durable cold-drawn, case ened sockets. High carbon steel s polished and plated. Shock and proof plastic handles color-code marked with large, readable nu Sizes from 3/16" to 3/8", in 1/32" step 7/16", 1/2" and 9/16". Shpg. wt. lbs.
50 U 199....................1

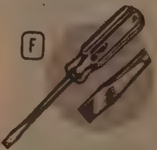
C 7-Piece Nutdriver Set In Molded Carrying Case

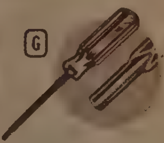
MODEL 77. Precision solid-shaft nutdrivers, 3/16" to 3/8" in 1/32" steps. Handles color-coded for easy identification. Use pebble-grain carry case with hole for hanging, as bench o rack. Molded lower tray keeps firmly in place. Wt., 1 1/2 lbs.
50 U 195...........

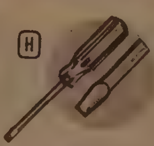
Screwdrivers Featuring Chrome Vanadium Steel Shafts

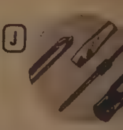












D SET-SCREW TYPE SCREWDRIVERS. Fit std. set-screw. Wt., 2 oz.

Stock No.	Mfr's Type	Shaft Size		Over-all Lgth.	EA.
		Dia.	Lgth.		
50 U 129	R-3323SS	3/32"	3"	5"	.30
50 U 136	R-184SS	1/8"	4"	6"	.39

E PHILLIPS SCREWDRIVERS. *Stubby type (for working in close quarters). †Pocket clip. Av. wt., 6 oz.

50 U 223	P-12S†	No.0	2"	4"	.39
50 U 154	X-101	No.1	3"	6 3/8"	.72
50 U 155	X-108	No.1	6"	10"	.81
50 U 156	X-102	No.2	4"	7 3/4"	.90
50 U 157	X-1020	No.2	10"	13 3/4"	1.20
50 U 158	X-103	No.3	6"	10"	1.20
50 U 159	SX-101	No.1	*1 7/16"	2 3/4"	.66
50 U 160	SX-102	No.2	*1 5/16"	3 1/4"	.72

F ROUND-SHAFT SCREWDRIVERS. Blade won't turn in handle. 5 oz.

Stock No.	Mfr's Type	Shaft Size		Overall Length	EA.
		Dia.	Lgth.		
50 U 142	R-182	1/8"	2"	4 1/2"	.33
50 U 147	R-184	1/8"	4"	6 1/2"	.42
50 U 148	R-186	1/8"	6"	8 1/2"	.45
50 U 150	R-188	1/8"	8"	10 1/2"	.54
50 U 279	R-144	1/4"	4"	8"	.84
50 U 280	R-146	1/4"	6"	10"	.90
50 U 281	R-148	1/4"	8"	12"	.96

G CLUTCH-HEAD SCREWDRIVERS. Fit clutch-head screws used in electronic equipment. Av. wt., 3 oz.

50 U 144	G-183	1/8"	4"	6 1/2"	.75
50 U 145	G-5324	5/32"	4"	7 1/2"	.87
50 U 146	G-3164	9/16"	4"	7 1/2"	.87

H SQUARE-SHAFT SCREWDRIVER shpg. wt., 10 oz.

Stock No.	Mfr's Type	Shaft Size		Overal Lengt
		Dia.	Lgth.	
50 U 127	S-3164	3/16"	4"	7 5/8"
50 U 137	S-144	1/4"	4"	8"
50 U 138	S-146	1/4"	6"	10"
50 U 139	S-148	1/4"	8"	12"
50 U 140	S-388	3/8"	8"	12 1/8"

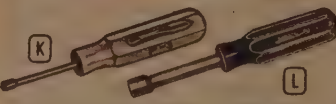
J COMBINATION-BLADE SC DRIVERS. Reversible std. and lips heads. With handle. 7" long.

Stock No.	Mfr's Type	Blade Combination
50 U 260	CR1	3/16" Std., #1 Phillips
50 U 261	CR2	1/4" Std., #2 Phillips
50 U 262	CR3	5/16" Std., #3 Phillips

10-BLADE COMBINATION SCREWDRIVER KIT

MODEL CK-5. For slotted, Phillips and clutch-head screws. 5 reversible blades: 3 regular (3/16"-#1 Phillips; 1/4"-#2 Phillips; 5/16"-#3 Phillips; 2 clutch 3/16"-5/32"; 5/16"-1/4"; plastic roll-up case. 1 lb.
51 U 247........................**5.34**

Color-Coded Hex Nutdrivers For Fast Work

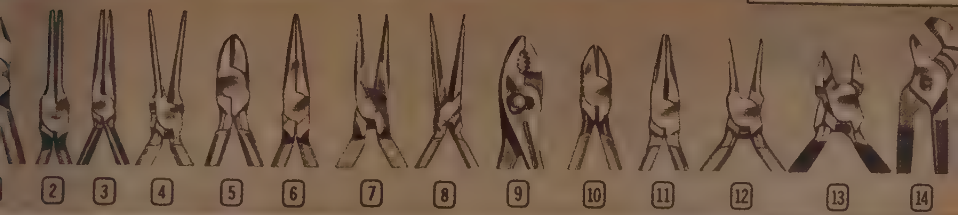


K L Color-coded handles for size identification. Sizes 3/32" to 5/8". Fig. K, P-series m nutdrivers with pocket clip; Fi HS-series regular type with h shaft. Av. shpg. wt., 6 oz.

Stock No.	Mfr's Type	Hex Size	Color	Lgth.	EACH	Stock No.	Mfr's Type	Hex Size	Color	Lgth.
50 U 220	P-3	3/32"	Blue	3 1/2"	.48	50 U 646	HS-9	9/32"	Orange	7"
50 U 221	P-4	1/8"	Red	3 1/2"	.48	50 U 265	HS-10	5/16"	Amber	7"
50 U 222	P-5	5/32"	Amber	3 1/2"	.48	50 U 266	HS-11	11/32"	Green	7"
50 U 141	P-8	1/4"	Red	3 1/2"	.48	50 U 267	HS-12	3/8"	Blue	7"
50 U 648	HS-6	3/16"	Black	6 1/8"	.93	50 U 268	HS-14	7/16"	Brown	7 1/4"
50 U 649	HS-7	7/32"	Brown	6 1/8"	.93	50 U 269	HS-16	1/2"	Red	7 1/4"
50 U 264	HS-8	1/4"	Red	7"	.93	50 U 271	HS-20	5/8"	Amber	7 1/4"

gh-Quality Tools For the Handyman

KNIGHT



PRECISION PLIERS, CUTTERS FOR ANY APPLICATION

Professional-Quality KNIGHT Pliers and Cutters

forged from high-grade tool steel and heat treated for optimum temper. cushion grips for safety and comfort. All carry full one year guarantee. cross coil spring.

ck .	Fig.	Length	Description	Wt. oz.	EACH 1-4	EACH 5-up
900	1	6½"	Electrician's Side Cutting Pliers	8	2.25	1.99
901	1	8"	Electrician's Side Cutting Pliers	16	2.89	2.53
908	2	6"	Long Needle or Snip Nose Pliers	6	2.34	2.11
912	3	7"	Extra Long Chain Nose Cutting Pliers	6	3.22	2.89
915	4	6"	*Long Nose Pliers	3	2.86	2.57
902	5	4½"	Diagonal "Oblique" Cutting Pliers	2	1.98	1.78
903	5	5"	Diagonal "Oblique" Cutting Pliers	3	2.23	1.98
904	5	6"	Diagonal "Oblique" Cutting Pliers	3	2.55	2.29
910	6	6"	Long Chain Needle Nose Pliers	3	1.89	1.69
909	6	6"	Long Chain Needle Nose Pliers	3	2.53	2.28
913	7	5"	*Radio and Ignition Nose-Cutting Pliers	3	2.98	2.68
916	8	7"	*Extra Fine Long Nose Pliers	3	2.38	2.14
924	9	6"	Satin Finish Combination Pliers	5	.55	.49
925	9	8"	Satin Finish Combination Pliers	9	.77	.69
926	9	6"	Satin Finish Thin Nose Combination Pliers	5	.62	.56
905	10	4½"	*Diagonal Needle Point Cutting Pliers	2	2.53	2.28
906	10	5"	*Diagonal Needle Point Cutting Pliers	3	2.69	2.39
907	10	6"	*Diagonal Needle Point Cutting Pliers	3	3.15	2.84
911	11	5"	Short Chain Needle Nose Cutting Pliers	3	2.29	2.06
914	12	5"	*Slim Nose Pliers	3	2.23	1.98
917	13	4½"	*Needle Point Diagonal Flush Cut Pliers	6	3.18	2.86
927	14	10"	Tongue-N-Groove Utility Pliers	16	2.38	2.14

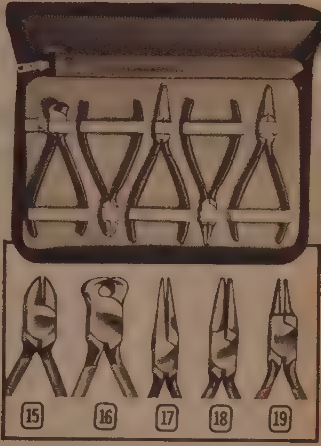
PIECE NUT-SCREWDRIVER KIT. dividual holders in pouch ed for shaft size—rolls to 3x8". des: molded plastic handle; 6" sion; 7 nutdrivers—3/16" to ½"; l and 2 Phillips, ⅛", 3/16", ¼" ed screwdrivers—precision d for accuracy. Nutdrivers y-shaft type. 1½ lbs.
'88 .... **7.95**

IECE NUTDRIVER KIT. 7 hex vers, 3/16" to ½", in supporting Color coded molded plastic es, with nickel-chrome plated s. Shafts, 6¼", except 6⅞" on nd ½" drivers. Select tool drop forged and heat treated aximum hardness. Machined curacy. 1¾ lbs.
.... **5.75**

$7⁹⁵ includes pouch

$5⁷⁵ with rack

KNIGHT
20
21



Knight Jewelers' Plier Set

Set of five professional 4½" precision pliers (also sold individually—see table below), in zippered, leatherette carrying case. Comfortable, crack and peel-proof vinyl cushion grips. Smooth polished head and handle, drop forged fine grain tool steel. Fig. 15 for end cutting. Fig. 16 for close cutting. Figs. 17, 18 and 19 have smooth jaws. Shpg. wt., 1¼ lbs. (Av. shpg. wt. of individual pliers, 5 oz.)
51 U 918. 1-4 Sets .... **Each 12.95**
5 Sets-Up .... **Each 11.65**

INDIVIDUAL PLIERS

Stock No.	Fig.	Description	EACH 1-4	EACH 5-Up
51 U 919	15	Diag. Cutter	2.29	2.06
51 U 920	16	End Cutter	2.69	2.42
51 U 921	17	Chain Nose	2.16	1.94
51 U 922	18	Flat Nose	2.16	1.94
51 U 923	19	Round Nose	2.16	1.94

Versatile Allen, Nutdriver and Screwdriver Sets

act sets save on storage space. eatures standard slip-on handle eater torque. Get full driving by slipping standard handle egular handle. Slim see-through case easily fits in a pocket.

9-40. ALLEN SCREWDRIVER SET. with Allen Hex recess set and rews. Includes: Servicemaster and break-proof handle; 4" on with positive-lock fit; 9 3/64" to 5/32" in 1/64" steps, also t., 12 oz.
57 .... **6.75**

22 **PS88 SCREWDRIVER SET.** 5 slot-tip screwdrivers, from 3/32" to ¼"; 3 Phillips drivers, #0, #1 and #2; 1x3⅛" standard handle. Plastic see-through case. Pocket size drivers 3½" long. Shpg. wt., 11 oz.
51 U 579 .... **3.93**

24 **PS120 NUTDRIVER SET.** Includes: ten color coded nutdrivers from 3/32" to ⅜" in 1/32" steps; standard hollow handle; plastic see-through pocket case. Drivers are only 3½" long. Shpg. wt., 11 oz.
51 U 194 .... **5.25**

New! Allen Type Hex Set

GC
WOOD SCREW ASSORTMENT

GC ELECTRONICS

Nickel-Plated Hardware

You get See-Thru Plastic Box With These Assortments.

ROUND-HEAD WOOD SCREW ASSORTMENT. 100 pieces, 10 each of: 4x½", 4x⅝", 4x¾", 6x¾", 6x1", 8x¾", 8x1¼", 10x1½", 12x1½". 14x1¾". 1 lb.
51 U 350. . . . . 98¢

51 U 351. Round-Head Machine Screw Assortment. 100 pieces. Screws: 2-56x½"; 4-36x¼"; 4-36x½"; 4-36x¾"; 6-32x¼"; 6-32x½"; 6-32x1"; 8-32x¼"; 8-32x½"; 8-32x1"; 10-32x½"; 10-32x1". Nuts: 2-56; 4-36; 6-32; 8-32; 10-32. 8 oz. . . . . 98¢

51 U 352. Metal Washer Assortment. 250 pieces. Flat: #4, 6, 8, 10, ¼", 11/32". Lock: #2, 4, 6, 8, 10, ¼", ⅜". External lock: 4, 6, 8, 10, ¼", ⅜". Split lock: 4, 8, 10, ¼". 8 oz. . . . . 98¢

51 U 353. Solder Lug Assortment. 100 pieces. Solderless: 3 types spade; 1 type screw; 1 type TV line. Solder: 3 types screw; 2 types locking screw (one type with strain relief). 8 oz. . . . . 98¢

51 U 354. Fiber Washer Assortmen
pieces. Flat: #4, 6, 10, ¼", ⅜", 15/32
Extruded: #4, 8, 10, ½", ⅜". 4 oz. .

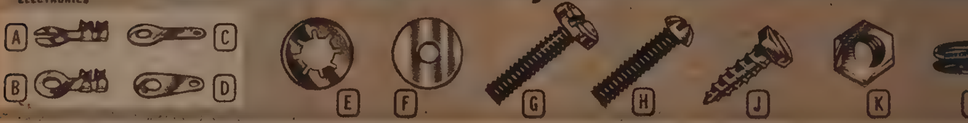
51 U 355. Sheet Metal Screw Assor
125 pcs. 4x⅜", 4x½", 6x",¼ 6x⅜",
6x⅝", 6x¾", 8x¼", 8x",⅜ 8x½",
8x1", 10x½", 10x¾". 8 oz. . . . .

51 U 356. Rubber Grommet Assortme
pcs. I.D.xO.D.: 3/16x7/16", ⅛x11/32",
½x13/16", 3/16x½", 7/16x¾", 5/16x¾",
3/16x7/16", ¼x9/16". 6 oz. . . . .

51 U 357. Solderless Terminal Assor
60 pcs. Insulated and noninsulated
ring tongue; spade; flange spade.
insulated hook types. 6 oz. . . . .

GC ELECTRONICS

Assorted Hardware Everyone Should Have on Hand



A-D TINNED SOLDERING (AND SOLDERLESS) LUGS

Tinned lugs for screw sizes listed. Fig. A or B types may be crimped and used as solderless lugs. No. 8 holes also take No. 6 screws. Av. wts.: 35¢ pkg., 3 oz.; pkg. of 100, 5 oz.

Hole Size	Lgth.	Fig.	Quantity	Stock No.	PER PKG.	Quantity	Stock No.	PER PKG.
No. 6	21/32"	A	25	51 U 691	.35	100	51 U 624	1.03
No. 8	⅝"	A	25	51 U 692		100	51 U 699	1.18
No. 6	11/16"	C	30	51 U 693		100	51 U 628	.91
No. 6	9/16"	D	30	51 U 694		100	51 U 629	.90
No. 8	9/16"	D	30	51 U 695	.35	100	51 U 700	.85
No. 6	11/16"	B	25	51 U 696		100	51 U 630	1.16
No. 8	11/16"	B	25	51 U 697		100	51 U 701	1.11
No. 10	11/16"	B	25	51 U 698		100	51 U 702	1.11

E INTERNAL LOCK WASHERS

Star-type internal lock washers. Hold screws tight so they can't jiggle free under vibration. All are cadmium plated. Av. wts.: 35¢ pkg., 2 oz.; pkg. of 100, 3 oz.

Screw Size	O. D.	Quantity	Stock No.	PER PKG.	Quantity	Stock No.	PER PKG.
No. 2	. . . . .	35	51 U 703	.35	100	51 U 704	.71
No. 4	. . . . .	50	50 U 163		100	50 U 073	.44
No. 6	9/32"	50	50 U 196		100	50 U 045	.44
No. 8	21/64"	50	50 U 197		100	50 U 046	.49
No. 10	⅜"	45	50 U 198		100	50 U 047	.49

F METAL WASHERS

Bright, nickel-plated metal washers are highly resistant to oxidation. For screw sizes indicated. All have thickness of 1/32". Av. shpg. wts.: 35¢ pkg., 3 oz.; pkg. of 100, 5 oz.

Screw Size	Hole Size	O.D.	Quantity	Stock No.	PER PKG.	Quantity	Stock No.	PER PKG.
No. 4	⅛"	9/32"	80	51 U 705	.35	100	51 U 631	.49
No. 6	5/32"	⅜"	80	51 U 706		100	51 U 632	.49
No. 8	3/16"	7/16"	80	51 U 707		100	51 U 633	.49

G BINDING-HEAD MACHINE SCREWS

All have extra-wide shoulder for binding-in lugs on speaker terminals, etc. Nickel-plated steel. *For small toggle switches. Wts.: 35¢ pkg., 3 oz.; pkg. of 100, 6 oz.

Size	Quantity	Stock No.	PER PKG.	Quantity	Stock No.	PER PKG.
2-56x¼"	40	51 U 718	.35	100	51 U 729	.62
2-56x½"	40	51 U 719		100	51 U 730	.62
4-36x¼"	40	51 U 720		100	51 U 731	.62
4-36x½"	35	51 U 721		100	51 U 732	.62
4-36x¾"	35	51 U 722		100	51 U 733	.62
4-40x¼"	40	51 U 723		100	51 U 618	.62
4-40x½"	35	51 U 724	.35	100	51 U 734	.62
*5-36x¼"	35	51 U 725		100	51 U 619	.52
6-32x¼"	35	51 U 726		100	50 U 035	.52
6-32x¾"	30	51 U 727		100	51 U 735	.71
8-32x¾"	25	51 U 728		100	51 U 736	.93

H ROUND-HEAD MACHINE SCREWS

Highly resistant to corrosion. All are nickel-plated with slotted heads. Wts.: 35¢ pkg., 3 oz.; pkg. of 100

Size	Quantity	Stock No.	PER PKG.	Quantity	Stock No.
2-56x¼"	40	51 U 709	.35	100	51 U 606
2-56x½"	40	51 U 710		100	51 U 607
4-36x¼"	40	50 U 166		100	50 U 024
4-36x½"	35	50 U 167		100	50 U 026
4-40x¼"	40	51 U 711		100	51 U 596
4-40x½"	35	51 U 712	.35	100	51 U 597
6-32x¼"	40	50 U 170		100	50 U 027
6-32x½"	30	50 U 172		100	50 U 030
6-32x¾"	30	51 U 713		100	51 U 599
6-32x1"	30	50 U 173		100	51 U 600
8-32x⅜"	25	51 U 714	.35	100	51 U 601
8-32x½"	25	51 U 715		100	50 U 031
8-32x¾"	25	51 U 716		100	51 U 602
8-32x1"	20	51 U 717		100	51 U 603
10-32x½"	20	50 U 175		100	51 U 604

J HEX-HEAD SHEET METAL SCREWS

Nickel-plated, slotted and self-tapping. Pointed Type
Av. shpg. wts.: 35¢ pkg., 2 oz.; pkg. of 100, 4 oz.

4x½"	35	50 U 176	.35	100	51 U 593
6x¼"	30	51 U 737		100	50 U 032
6x⅜"	25	51 U 738		100	51 U 594
6x½"	25	51 U 739		100	50 U 033
8x⅜"	20	51 U 740		100	51 U 595
8x½"	20	51 U 741		100	50 U 034

K HEXAGON NUTS

Nickel-plated steel resists oxidation. Free of burr
shpg. wts.: 35¢ pkg., 3 oz.; pkg. of 100, 6 oz.

Thread	Width	Thickness	Quantity	Stock No.	PER PKG.	Quantity	Stock No.
2-56	3/16"	1/16"	30	51 U 742	.35	100	51 U 33
3-48	3/16"	1/16"	30	51 U 743		100	51 U 33
4-36	¼"	3/32"	30	50 U 186		100	50 U 03
4-40	¼"	3/32"	30	51 U 744		100	51 U 63
6-32	¼"	3/32"	30	50 U 188	.35	100	50 U 04
8-32	¼"	3/32"	30	50 U 193		100	50 U 04
10-32	⅜"	5/64"	30	50 U 187		100	50 U 04

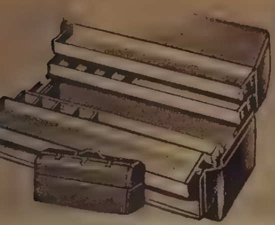
L BLACK RUBBER GROMMETS

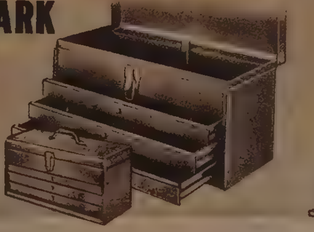
Soft grommets of live rubber. Fit chassis up to 1/16
wts.: 35¢ pkg., 2 oz.; pkg. of 100, 4 oz.

Mtg. Hole	Inner Dia.	Overall Dia.	Quantity	Stock No	PER PKG.	Quantity	Stock No.
¼"	⅛"	11/32"	16	50 U 212	.35	100	50 U 05
5/16"	3/16"	7/16"	14	50 U 213		100	50 U 05
⅜"	¼"	9/16"	12	50 U 214		100	50 U 05
½"	⅜"	⅝"	10	50 U 215		100	50 U 05
⅝"	½"	13/16"	8	51 U 708		100	50 U 06

Organize Your Parts and Tools

PARK





vicemen's-Mechanic's Tool Boxes and Mechanic's Chests

Four-tray tool box with huge
ge capacity. 21" length for long
. Has 2 full, and 2 partially par-
ed cantilever trays. Storage
below trays. Heavy-gauge steel;
ically welded seams, integral full-
n hinge. Two draw-bolts plus
ck eye. Heavily plated hardware.
ne-treated baked green enamel
. 10x21x8½". 13½ lbs.
144 X **8.49**

774 X. 1780. As above, but small-
x17x8½". 11 lbs. **7.88**

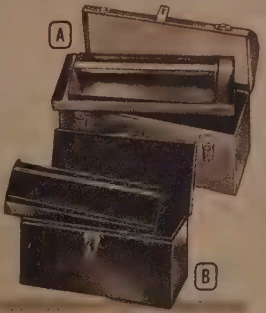
P-23. Three-drawer, heavy-gauge steel chest with electrically welded seams. Drawers have full-suspension slides; lock when cover is closed and lock-hasp and strap are in place. Overall, 8½x20x10¼". Till in top, 2⅝x19¾x8¾". Has 2 drawers 1½x18¼x8¾"; 1 drawer 2¼x18¼x8¾". Full-grip steel handle. Silicone-treated baked green enamel finish. 18 lbs.
51 U 506 X **10.95**

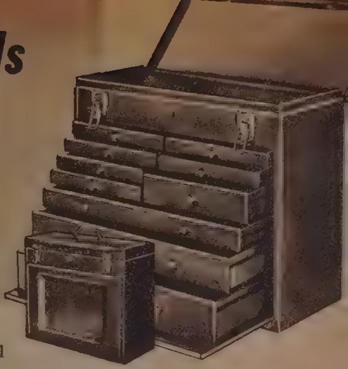
51 U 149 X. P-22. As above, but 2 drawers 2¼x18¼x8¾". 16 lbs. .. **9.75**

w-Cost Mechanic's Tool Boxes

2. Hip-roof box with compartmented, lift-
t tote tray, socket partition and tubular
e. Full-length, electrically welded hinge.
piece heavily plated hardware. Heavy-
steel throughout. Two drawbolts and pad-
eye. Durable silicone-treated baked green
el finish. 8⅛x20x7¼". 9 lbs.
592 X **5.49**

6. Flat-top box of electrically welded
avy-gauge steel. Tote tray with socket com-
ent, tubular handle. Bottom stores bulkier
Full-length hinge. Silicone-treated baked
enamel finish. 9x18x8". 9 lbs.
773 X **4.95**





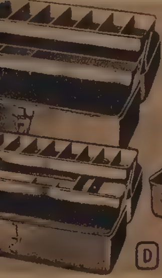
Heavy-Duty Machinist's Chests

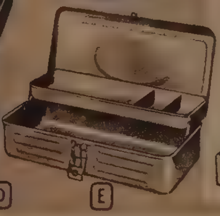
$29⁷⁶
$5 monthly

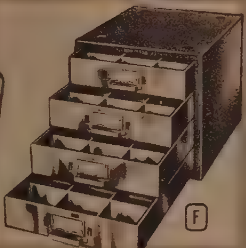
- **10 Felt-Lined Drawers**
- **Includes Pin Tumbler Chest Lock, Two Keys**

1000. For storage and protection of precision tools. Ideal for machinists, electronic and automotive workers. Electrically welded heavy-gauge steel; heavily plated hardware. One-piece drawbolts with pin tumbler lock and 2 keys. Full-suspension drawer slides allow full extension; drawers remove for cleaning. Removable front panel locks when cover is closed, stores in compartment when open. Overall, 17½x20x8½". Till in top, 4x20x8½". 6 drawers are 1x8⅝x7½". 4 others: 2x8⅝x7½"; 1½x18¼x7½"; 2⅜x18¼x7½"; 3x18¼x7½". Brown baked enamel. 40 lbs. Express.
51 U 507 Z. *$5 Monthly* **29.76**

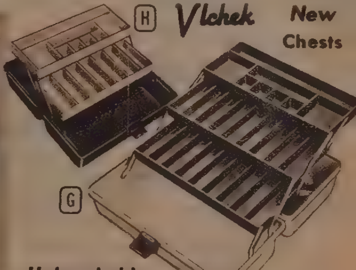
51 U 508 Z. 700. As above, but has 7 drawers. Overall, 13¼x20x8½". 4 drawers are 1x8⅝x7½". 3 others: 2x8⅝x7½"; 1½x18¼x7½"; 2⅜x18¼x7½". Wt., 30 lbs. Express **24.89**







Vlchek New Chests



Unbreakable Polypropylene

Lightweight

eel Chests Protect Small Parts, Keep Them in Order

4. Watertight unit has two can-
ver trays. Pushbutton self-latch-
awbolt avoids accidental spill-
pper tray has 7 compartments;
one full length, one ⅔ length,
smaller compartments. Steel
. Mar-resistant green enamel.
x7¼". 5 lbs.
12 X **3.89**

9. Watertight unit similar to
ve, but 5" wider for greater ca-
Machine-riveted hardware.
lly spillproof. Two trays: upper
sections; lower, 6 sections.
7x19x7¼". Wt., 7 lbs.
39 X **4.79**

E 4313. Steel unit with cantilever 3-compartment tray. Leakproof body; snap-catch. 12" rule embossed on cover. Blue. 4½x13½x6½".
50 U 816 X. 2½ lbs. **1.69**

50 U 815 X. 4013. Above, but without cantilever tray. 2 lbs. **1.29**

F 410. Four-drawer steel unit. Interchangeable drawers have adjustable partitions for up to 12 compartments each. Electrically welded flush joints; one-piece drawer supports. Blue-enameled drawers, 2x9x11½", have card holder, bar handle. Silver cabinet, 10x10x11½". 10½ lbs.
52 U 709 X **5.98**

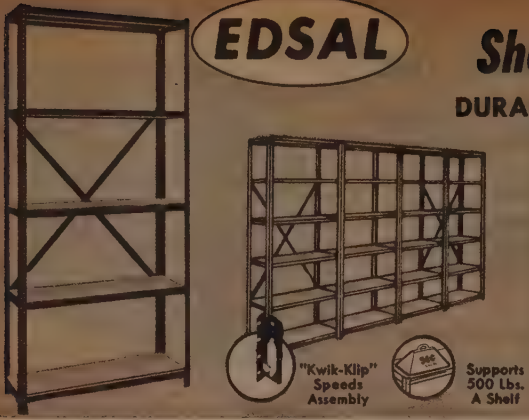
G 1713. Lightweight, 3-tray, 26-compartment chest. Top and bottom open flat, can't tip! Trays raise automatically with lid; two have 9 compartments each, third has 8. Bottom holds larger parts, small tools. Won't dent, warp, crack, peel. Unaffected by oil, gas. Can't open accidentally. Rustproof hardware. Beige; green trays. 7½x16½x8¾". 4½ lbs.
50 U 771 X **7.98**

H 1212. As above, but smaller. Two trays. 14 compartments: 5 in lower tray, 9 in upper. Green. 6x12⅜x7" Shpg. wt., 2½ lbs.
50 U 772 X **3.98**

EDSAL

Shelving, Cabinets, Benc

DURABLE STEEL UNITS FOR HOME AND S



HEAVY-DUTY STEEL STORAGE RACKS

as low as $6.95

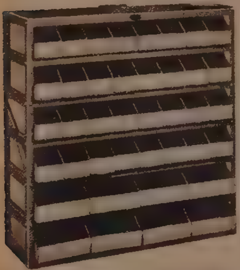
- Adjustable Shelf Height
- Fast and Easy Assembly

DELUXE RACKS. Easy to assemble—just bolt tops and bottoms together; shelves securely held by exclusive "Kwik-Klip" fasteners. Posts punched at intervals for convenient shelf adjustment. 75" high, 36" wide. Rust resistant. With 5 shelves; extra shelves listed below. Racks with "Z" in Stock No. shipped express or truck.

50 U 783 Z. With 12" Deep Shelves. 47 lbs.	**9.49**
50 U 784 Z. With 18" Deep Shelves. 60 lbs.	**11.95**
50 U 781 X. Extra 12" Shelf. 6 lbs.	**1.49**
50 U 782 X. Extra 18" Shelf. 8 lbs.	**1.99**

ECONOMY RACKS. Each has 5 shelves; extra shelves listed below; 4-bolt construction. Hold 275 lbs. per shelf. Racks with "Z" in Stock No. shipped express or truck.

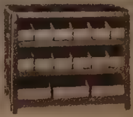
50 U 801 Z. Type 7230. 73x30x12". 23 lbs.	**6.95**
50 U 802 Z. Type 7218. 73x36x18". 29 lbs.	**9.89**
50 U 803 X. Extra 12x30" Shelf for Type 7230. 3 lbs.	**1.19**
50 U 804 X. Extra 18x36" Shelf for Type 7218. 5 lbs.	**1.89**



MULTI-DRAWER PARTS CABINETS

40-Drawers $14.95

Use It For Small Tools Or Hardware



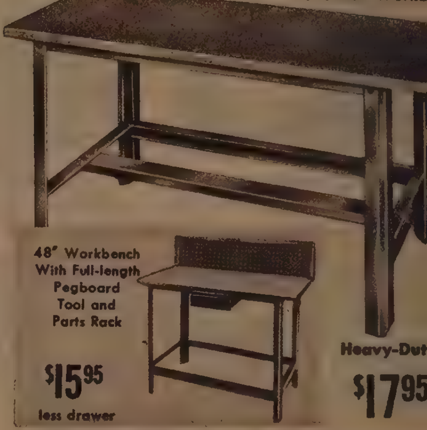
15 Drawer Model $5.98

- Very Compact—Only 12" Deep
- Heavy-Duty, All-Steel Frame
- One-Piece Spill Proof Drawers
- For Tools, Hardware, Parts

40-DRAWER CABINET. One of the handiest parts storage cabinets available. Perfect for home or industrial applications. Holds everything from small tools or hardware to electronic components. Features 32 big 4x11" and 8 jumbo-size 8x11" drawers in a single, portable frame. Several compact cabinets side by side provide almost unlimited storage space. One-piece drawers of sturdy corrugated-board construction. Special stop-tab built into rear of cabinet keeps drawers from being pushed in too far or pulled out too far—prevents accidental spilling, all-steel frame 37x36x12". Shipped knocked down, easy to assemble —parts lock in place. Shpg. wt., 37 lbs.
51 U 145 U. Shipped by express or truck only. **14.95**

15-DRAWER CABINET. Similar to above. Same heavy-duty steel frame and one-piece drawer construction. 12 drawers 4½x8x11", 3 drawers 4½x4x11". Overall size, 26x21x12". Shpg. wt., 24 lbs. Shipped by express or truck only.
51 U 470 U. **5.98**

Deluxe 60" Workb



48" Workbench With Full-length Pegboard Tool and Parts Rack

$15.95 less drawer

Heavy-Dut

$17.95

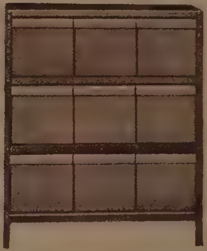
ALL STEEL FRAME WORK BENCHES

- Quick and Easy to Assemble
- Completely Cross Braced and Self-Supporting
- Rigid Stability with Steel Frame Construction

24x60" STEEL-FRAME WORKBENCH. 1-piece heavy welded steel legs. 1" No-Mar top supports over 200 lb ft. Takes two steel drawers. Gray baked enamel steel rust resistant. 34½" high. Comes knocked down. drawers. 90 lbs. Shipped express or truck.
51 U 563 Z. 1

24x48" WORKBENCH. Similar to above, with peg back. Accommodates two drawers (not included). high. Shpg. wt., 82 lbs. Shipped by express or truck.
50 U 523 Z. 1

STEEL STORAGE DRAWER. For either workbench above. Gray enamel finish. Size, 3x12x20". Shpg. wt., 1
50 U 524 X . . . .



"STAK-N-STOR STORAGE UNIT

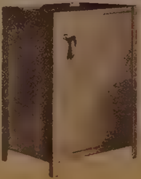
$8.44

Popular Bin Mode

- Furniture-Steel Frames
- Self Locking Constructio
- Dustproof Storage
- Modular Design
- Adjustable, Versatile

Features heavy gauge furniture-steel frames; rustp baked enamel finishes; smooth rolled edges. Inclu one-piece, self-locking fiberboard containers. Cont 11x11x10". Hinged self cover for dust free storage. M small, handy package; easily transported. 4 adjus shelves; measures 40x34x11". Wt., 25 lbs.
51 U 471 U. . . . .

BENCH-HEIGHT LOCKING STEEL STORAGE CAB



$19.95

- Keeps Tools Safely Lo
- Sturdy Steel Constructi

MODEL 630. Comfortable height raised edge prevents tools from fa off. Full size door and chrome lo handle; three adjustable shelves. 34x21x15½". Shpg. wt., 46 lbs.
50 U 707 Z. *$5 Monthly* **1**

A-M
RO·MILS

Small Parts Storage Cabinets

.63 in
5 Catalog

98

B

Steel Utility Cabinets from **$3.98**

C as low as **$1.99**

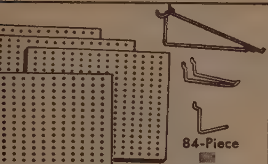
as low as **$2.79**

"Handy Bin" Utility Cabinets

DEL 18-PA STORAGE CABINET. v low price! Best way to store ransport small articles. Rigid gray welded-steel frame with ndle. Locking hinged steel door ts from dust and theft. 13 plas- through drawers. 12 small 1¼x 4", 1 large 2½x8¾x5¾". Size, ½". Miscellaneous contents not included. Wt., 6 lbs.
62 . . . . **4.98**

DEL 18-FA DEEP DRAWER UTILITY INET. For articles up to 2" in Visible storage makes unit -FA below) ideal for workshop, room or hobby center. 12—2x 4" clear plastic drawers. Draw- ne with label and divider. Size ". Miscellaneous contents shown luded. Shpg. wt., 4½ lbs.
40 X **3.98**

24-FA 16 DRAWER CABINET. to above, but 4 additional s. Miscellaneous contents shown luded. 9x13x6". 6 lbs.
02 X **4.98**



$4.55

R-O-PEG PEGBOARD KIT

DEL 1102. 4—18x24", perfo- d ⅛" panels provide 12 re ft. of storage. Includes: 4 els; 6 jar holders; 4 storage ; 3—5" double hooks; 2 small- hooks; 20 small straight ks; 20 medium-loop hooks; 3" shelf brackets; 3 large loop ks; 3 medium straight hooks; mounting screws with spac- 1 multiple tool rack. Shpg. 4 lbs.
560 X **4.55**

DWARE KIT. Contains assort- t of 64 hooks and fixtures ribed above, less perforated els. Shpg. wt., 4 lbs.
561 X **2.25**

C **HB-SERIES PLASTIC CABINETS.** Compact "Handy-Bin" plastic cabinets provide convenient, economical storage for small parts and supplies. Features see-through, spillproof-design styrene plastic drawers. Each drawer with divider and index labels. Cabinets attractively styled in beige. Drawer size, 1¼x2¾x5¾". All cabinets listed 9¾" wide and 6¼" deep. Miscellaneous contents shown not included.

Stock No.	Type	Drawers	Ht.	Lbs.	EA.
52 U 915	9HB	9	5"	2	1.99
52 U 740 X	15HB	15	7½"	4	2.99
52 U 741 X	21HB	21	10⅜"	6	3.99

D **M4B LARGE METAL CABINETS.** Rugged modular steel cabinets. 2x4x11" clear plastic drawers with labels and 2 dividers. Drawers have 88 cubic inch capacity. Gray enamel finish. 17⅞" wide by 11" deep. Miscellaneous contents shown not included.

M4B16. 16 drawers. Wt., 18 lbs.
52 U 749 X **17.98**

M4B24. 24 drawers. Wt., 25 lbs.
52 U 750 Z. *$5 Monthly* **31.98**

HB-SERIES STEEL CABINETS

Rugged welded steel frame cabinets. Clear plastic drawers 2¼x 5¼x1¼"; adjustable divider locks in place; safety tab prevents accidental spilling. Baked enamel silver gray hammertone finish. With labels and 1 divider per drawer. All 6" deep. *Indicates number of drawers. Miscellaneous contents shown not included.

Stock No.	Mfr's Type	* D	Size, H & W	Lbs.	EA.
50 U 738 X	12HBA	12	6½x10"	4	2.79
50 U 739 X	18HBA	18	9x10"	5½	3.84
50 U 780 X	24HBA	24	9x13"	7	4.95

D

VLCHEK CLEAR-PLASTIC STORAGE BOXES

Rugged all-plastic hinged-top storage boxes with 1 to 24 compartments. Ideal for storing small electrical parts or hardware. Polystyrene boxes are rigid, lightweight, scratch-resistant, easy to clean. Clear plastic lets you find what you're looking for quickly—without opening the box. All have exceptionally strong hinge design, except Type P250 with removable cover. *Indicates total number of compartments per box.

Stock No.	Mfr's Type	*No.	Size of Compartments	Overall Size	Lbs.	EACH
51 U 375	P250	1	5⅞x3⅝"	6¼x4x1¹¹⁄₁₆"	⅔	.38
51 U 376	P221	4	1⁵⁄₁₆x2⅛"	4⅝x3x1⅛"	½	.22
51 U 377	P212	5	4—1⅝x2½"; 1—1⅝x3¼"	7x3¾x1¼"	1	.37
51 U 378	P203	6	1¼x3¹⁵⁄₁₆"	8¼x4½x1⅜"	1½	.51
51 U 379	P210	9	8—1⅜x1⅝"; 1—1⅛x3¼"	7x3¾x1¼"	1	.37
51 U 380	P201	12	6—1¼x1¼"; 4—1¼x2"; 2—1¼x3¹⁵⁄₁₆"	8¼x4½x1⅜"	1½	.51
51 U 381	P612	12	6—1⅝x1¹⁵⁄₁₆"; 6—1⅝x4"	11x6¾x1¾"	2	1.22
51 U 382	P200	18	1¼x1¼"	8¼x4½x1⅜"	¾	.51
51 U 383	P618	18	1⅝x1¹⁵⁄₁₆"	11x6¾x1¾"	2½	1.28
51 U 384	P818	18	12—2x2"; 6—2x4³⁄₁₆"	13⅛x9x2⁵⁄₁₆"	3	1.95
51 U 385	P824	24	2x2"	13⅛x9x2⁵⁄₁₆"	3½	2.03

EQUIPTO HEAVY-DUTY STORAGE CABINETS

NO. 11—18-DRAWER CABINET. Heavy steel frame. Jamproof drawers; 2 removable cross dividers—adjustable to 1" intervals. Label holders on drawers and dividers. 13¼x34x12". Shpg. wt., 62 lbs.
52 U 705 Z. *$5 Monthly* **29.95**

NO. 8—8-DRAWER CABINET. Wt., 29 lbs.
52 U 706 U **15.95**

Superior Tools For Home and Shop Use

Twelve Different Accessories'

Complete V-88 Professional Vibro-Tool Outfit

$19.95 $5 monthly

- Virtually a Home Workshop
- Heavy-Duty 2-Speed Motor
- Nylon Case Included

Versatile tool has motor control switch (3600 and 7200 strokes per minute), plus dial setting for engraving depth. Setscrew chuck with allen wrench. Accessories: one carbide, and two ball points for engraving; hammer point to hammer small nails; knife blade; crosscut wood saw blade; modeling and slotter tools for leather; abrasive point for glass; wire brush; triangular metal file; oval wood chisel. Nylon case. For 110-120 v., 50-60 cycle AC. 3 lbs.

50 U 351. *$5 Monthly*..........**19.95**

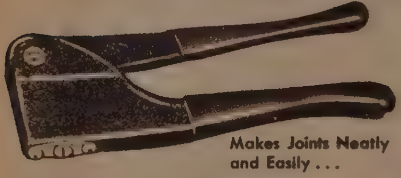
Use It Like a Pencil

Model 73 Vibro-Grav

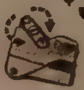
Engraves glass, stone, wood, cer
steel, brass, aluminum or almo
material. Reliable vibrator-type
delivers 7200 strokes per minu
fast, clean, permanent engraving
to operate, a few minutes prac
all you need. Includes tantalum c
point. For 110-120 v., 50-60 cyc
Wt., 1 lb.

50 U 556..........

Marson's "Rivet-All" for Home Riveting


Makes Joints Neatly and Easily . . .

$3.89


A Flick of Your Finger Changes Rivet Sizes for 1/8-3/16-5/32"

Makes neat, vibrationproof joint every time. Swivel attachment selects rivet size (1/8", 5/32" or 3/16"). With assorted rivets (extras below). §Same as 51 U 415, but large washer-head.

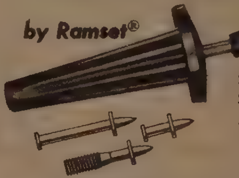
51 U 400. Shpg. wt., 1½ lbs..........**3.89**

RIVETS. *Number in box. †Steel. ‡Aluminum. Av. wt., 8 oz.

Steel Rivets			Aluminum Rivets			PER BOX	Washers			PER BOX
Stock No.	*	DxL	Stock No.	*	DxL		Stock No.	Size	*	
51 U 414	100	1/8x1/8"	51 U 417	100	1/8x1/8"	.98	51 U 422	†1/8"	50	.39
51 U 415	80	1/8x1/4"	51 U 418	80	1/8x1/4"	.98	51 U 423	‡5/32"	35	.39
51 U 416	60	§1/8x1/4"	51 U 419	60	5/32x1/4"	.98	51 U 424	‡3/16"	35	.39
.....	...	.....	51 U 420	60	3/16x1/4"	.98	.....	.....	...	.....
.....	...	.....	51 U 421	60	3/16x3/8"	.98	.....	.....	...	.....

Shure-Set® Concrete Fastener

by Ramset®


With Pins **$3**

Slip a Pin in
Shure-Set an
Anchor Wood o
Metal to Concre
5 Hammer Taps

No drilling! Does the job in less time.
concentrates hammer force, so you jus
With assorted pins (extras below).

51 U 425. Shpg. wt., 12 oz..........

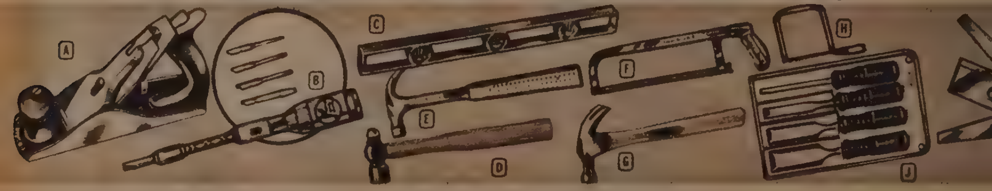
51 U 426. ¾" Driver Pin. Fastens conduit,
signs to concrete. 8 oz..........Pkg. of 19

51 U 427. 1½" Driver Pin. Furring strips t
crete, and brackets and steel angles to
8 oz..........Pkg. of 10

51 U 428. 2½" Drive Pin. For 2x4" planks t
crete. 8 oz..........Pkg. of 9

51 U 429. ¼"-20 Threaded Stud. For co
8 oz..........Pkg. of 10

Selected Hand Tools for the Home Workshop



A **GREAT NECK C-4 "CORSAIR" SMOOTH PLANE.** Vibration-free, 9" plane. Razor-sharp, tempered-alloy, tool-steel 2" cutter. Die-cast lever cap. Frog adjusts to width of mouth. Kiln-dried hardwood knob and handle. Brass adjusting screw. 3½ lbs.

51 U 662..........**4.25**

B **AUTOMATIC SCREWDRIVER.** Spiral ratchet reduces fatigue, speeds up driving. Spring-loaded chuck secures blades. Drives or removes screws. Plated. 5 bits (stored in handle): 3/16", ¼", screwdriver bits; 1/16", 3/32", 1/8", drill bits. ½ lb.

51 U 665..........**2.95**

C **4-VIAL 24" ALUMINUM LEVEL.** Shock-absorbent mtg. 1 lb.

51 U 671 X..........**2.98**

D **FLEET X-164 BALL PEEN HAMMER.** Made of drop-forged tool steel. Finished in black, baked-enamel. Tough, smooth hickory handle. Well-balanced. 14" long. Wt., 1½ lbs.

50 U 577..........**1.33**

E **1-PIECE ALL-STEEL HAMMER.** Nothing to come apart. Hardened hammer has non-slip, shock-absorbing rubber grip, bonded to steel shaft. Perfectly balanced. Features a 16-oz. head. Shpg. wt., 1¾ lbs.

50 U 299..........**3.53**

F **PISTOL-GRIP HACKSAW.** 2¾" deep. Supplied with 10" blade, but easily adjusts to 8" and 12" blades. Cuts at four different angles. Has plastic handle. Wt., 1½ lbs.

51 U 668..........**89¢**

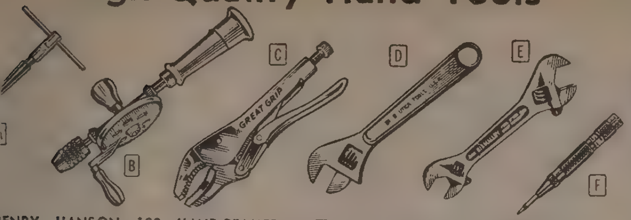
G **"PERFECT-FORGED" HAMMER.**
crafted, 16-oz. forged
Weatherproof, hardwood handle
51 U 666. Wt., 1½ lbs..........

H **COPING SAW.** Maintains c
blade tension. 6½" throat
6" or 6½" blades. Blue, transp
plastic handle. Wt., 12 os.
51 U 667..........

J **4-PIECE WOOD CHISEL SET**
½", 5/8" and ¾" cutting
chisels in a plastic kit. 12 oz.
51 U 670..........

K **5-PIECE NEST OF SAWS.** C
hardwood handle and interch
able alloy steel saws: 16" pane
compass, 10" keyhole, 15" prunin
miter backsaw. Wt., 2 lbs.
51 U 669 X..........

High-Quality Hand Tools



IENRY HANSON 120 HAND-REAMER. Made of high-carbon steel. Point, ⅛" ieter. Shank, ½" diameter. 5½" long. ow head stores drills. Wt., 9 oz.
390 .... 1.19

ENRY HANSON DR-140 HAND DRILL. Ias all-steel, double-pinion gears. 3-chuck takes drills up to ⅜" diameter. el-plated frame, chuck. 2 lbs.
751 .... 3.29

REAT NECK LOCK PLIERS. Clamps, ends, and cuts. Made of heat-forged highly polished. Powerful 2000-lb. 10". Shpg. wt., 1½ lbs.
672 .... 2.19

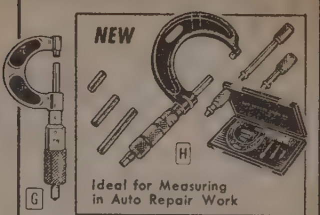
D UTICA ADJUSTABLE WRENCHES.

Stock No.	Size	Jaw Open	Shpg. Wt.	EACH
50 U 461	4"	½"	2 oz.	1.99
50 U 462	6"	¾"	4½ oz.	2.06
50 U 463	8"	15/16"	8 oz.	2.32
50 U 464	10"	1⅛"	1 lb.	2.93
50 U 465	12"	1 5/16"	1½ lbs.	4.29

E DIAMOND ADJUSTABLE WRENCH. 6" double-end—½" and ¾". 6 oz.
50 U 263 .... 2.74

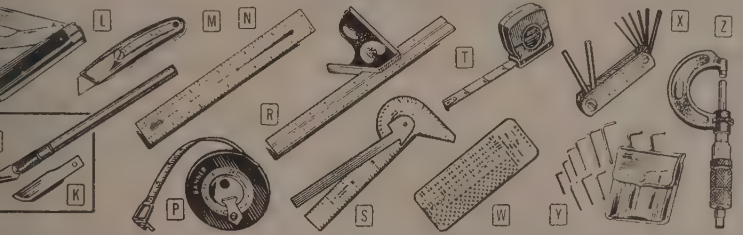
F G-H 79 CENTER PUNCH. 5"x½."
50 U 382. Shpg. wt., 5 oz. 3.10
50 U 383. Extra Point .... .44

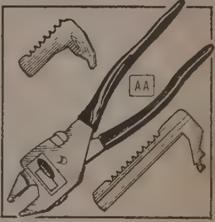
PRECISE CENTRAL MICROMETERS


NEW
G
H
Ideal for Measuring in Auto Repair Work

G 1" MICROMETER. Easy-to-read. Positive lock. Accuracy meets government spec, GGG-C-105. Forged steel frame. Polished spindle, anvil.
50 U 060. Wt., 8 oz. 12.95
51 U 287. As above, but 1 to 2". 15.95

H 44L 0-4" RANGE MICROMETER. Measures anything from a pin to a piston. Three adjustable extensions have knurled collars. Satin-chromed. Forged-steel frame. .001" graduations. Friction stop, clamp ring locknut. With storage case. 3 lbs.
50 U 211 .... 29.76





ACTO NO. 1 KNIFE. 5" aluminum andle; 5/16" dia. No. 11 blade. 3 oz.
608 .... .53
O. 10 BLADES. 5 per pkg. 2 oz.
U 609 .... Per Pkg. of 5 .53
1 BLADES. 5 per pkg. 2 oz.
610 .... Per Pkg. of 5 .53

LSTER K-29W ELECTRICIANS' KNIFE. crewdriver-wirescraper. Tempered tool blades—2½". 5 oz.
298 .... 1.49

LLERS FALLS UTILITY KNIFE. 5" long. 5 ades. Wt., ½ lb.
655 .... .75
171. 5 Extra Blades. 2 oz. .... .37

RULE AND WIRE GAUGE. Clearly graduated in 32nds and 64ths. Has B&S wire e, decimal equivalents. 2 oz.
320 .... .44

TAINLESS STEEL BENCH RULE. (Not illus.) two sides graduated in 8ths, 16ths, s, and 64ths. ⅞" wide. 2 oz.
323 .... .75

FKIN WHITE-CLAD TAPE. Accurate 50-. steel tape. Black figures and gradns on white. Hook ring, folding flush le. Vinyl-covered steel case. 1 lb.
184 .... 3.67
185. As above, 100-ft. 2 lbs. 5.00

R CORSAIR COMBINATION SQUARE. Try/miter square, depth gauge, plumb, level. Locks any point. Plated, 12x1". 8 oz.
50 U 308 .... .84

S MULTI-PURPOSE RULE. 4" scale in 32nds and 64ths, plus millimeters; protractor; square; center finder; drill-point gauge; tap-drill table Stainless steel. Case. 4 oz.
50 U 329 .... 1.34

T LUFKIN "MEZURMATIC" TAPE RULES. Ball-bearing rewind, heavy-duty end hooks, non-slip cases. 1/16" graduations. White background, except *chrome-plated.

Stock No.	Type	Feet	Oz.	EACH
50 U 179	W728	8	7	1.13
50 U 180	W7210	10	8	1.33
50 U 181	W7212	12	8	1.53
50 U 183	C7210*	10	8	1.80
50 U 352	C7212*	12	8	2.05

W DRILL AND STEEL-WIRE GAUGE. Gauges and gives decimal equivalents—drill no. and wire sizes 1 to 60. Lists tap and drills, ¼-28 to 2-56. 5 oz.
50 U 319 .... 1.34

X WALSCO HEX SPLINE KEYS. 7 Allen and 4 Bristol key-type. L-shaped wrenches fit screws ranging in size from No. 2 to ⅜". In leatherette case. Wt. ½ lb.
50 U 335 .... 1.32

Y FLEET HEX-KEY WRENCH SET. Hardened nickel-chrome alloy steel wrenches are fitted in a convenient steel frame similar to a pocket knife. Wrenches fold in and out easily. Includes sizes from .050" to 3/16". Shpg. wt., 4 oz.
50 U 128 .... .88

Z HANSON ECONOMY 1" MICROMETER. Accuracy to .0005" in full-range micrometer. Screw-type anvil permits simplified zero adjustment. Micrometer's spring friction-stop ensures greater accuracy. Accurate thread on spindle that runs in a steel bushing, preserves accuracy of micrometer when used continuously. The frame, thimble and ratchett are all fully chromed to fight rust. Micrometer is factory-adjusted. Shpg. wt., 7 oz.
50 U 393 .... 3.75

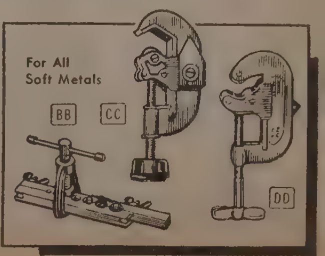
AA GEARED PLIERENCH KIT. Does the work of pliers, pipe, box, open-end and socket wrenches. Parallel jaws and 10-1 gear ratio provide firm grip on all sides and edges. Supplied with two interchangeable jaws: regular pipe jaw for ¼"-1" pipes or bolts, and nuts up to 1¼"; internal-external fitting jaw for gripping the inside of tubes, pipes and fittings. Wt., 2 lbs.
51 U 191 .... 6.98

OFESSIONAL FLARING TOOL, PIPE AND TUBE CUTTERS

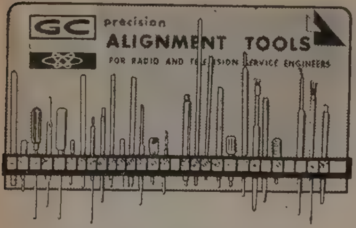
FLARING TOOL. Flares soft copper, brass, or aluminum tubing to make up SAE lare joints without cracking or split-Flares 3/16", ¼", 5/16", ⅜", ½" and ⅝" tubing. Shockproof, tempered mal-e iron self-centering yoke. Hardened polished cone swivels on ball bearing. . wt., 3 lbs.
139 .... 2.65

TUBING CUTTER. Cuts ⅛" to 1⅛" O.D. hard or soft copper, brass, aluminum g and thinwall conduit. Meets Federal s. GGG-771B, Type 2, Class 2. Tubing rides freely on hardened rollers, cuts without distortion or burrs. Flare cut-off rollers permit cutting cracked flare without waste. Retractable hardened reamer blade. Shpg. wt., ½ lb.
51 U 140 .... 1.89

DD COMBINATION TUBING AND PIPE CUTTER. Cuts ⅝" to 2⅛" copper, brass, aluminum tubing and thinwall conduit and ⅜" to 1" iron and steel pipe. Alloy steel frame and cutter wheel. Retractable reamer. Hardened rollers and pins. Frame is Bright-plated. Shpg. wt., 2 lbs.
51 U 141 .... 3.75



Quality Radio-TV Alignment Tools and Kit



MODEL 9200 27-PC. RADIO-TV ALIGNMENT TOOL PANEL KIT

$16.95
- 27 Most Needed Alignment Tools
- Convenient Wall-Mounting Panel
- Individually Marked Tool Slots

Convenient wall-mounting panel kit includes 27 of the most often used radio-TV alignment tools. Each tool has an individually marked slot in the sturdy, 3-color panel. Helps you to locate the desired tool immediately. Panel can be conveniently mounted on workshop wall or back of workbench for easy visibility and access. Tools are precision-made of finest materials including low-loss plastics and extra-hard bone fiber; tips are hardened spring steel. Kit includes: alignment screwdrivers of various lengths; special short tools; alignment wrenches; channel tuners; core aligners; oscillator adjustment tools; trimmer and IF aligners; solder probe; nylon replacement tip for long reach aligner; hex tools; and many other useful alignment tools. Size of convenient wall-mounting steel panel for holding tools is 9¾" high and 18¾" wide. Shpg. wt., 3 lbs.
50 U 831 X. 16.95

GC PRECISION TOOLS

MODEL 8283 25-PC. ALIGNMENT KIT

$13.88
- 25 Tools in Handy Roll-Up Case
- Several 9" Long Tools Included
- For Radio, TV, Communications

Complete 25-piece alignment tool assortment in a handy roll-up case. Contains alignment and adjustment tools for practically every radio and TV set on the market. Also has tools used on mobile communication, marine and amateur gear. In addition to tools in case, several 9" long tools are furnished separately. Kit includes: K-Tran and IF aligner; alignment screwdrivers of various lengths; long-reach aligner; channel tuner; special short tools; core aligners; duplex aligner; IF and oscillator aligner; alignment wrenches; TV-FM tuners; Zenith-Admiral hex; thin tuning wand; and many more helpful alignment and adjustment tools. Shpg. wt., 1 lb.
50 U 001 . . . . 13.88

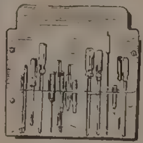
MODEL 9210 DELUXE 10-
CB ALIGNMENT TOOL K

NEW!

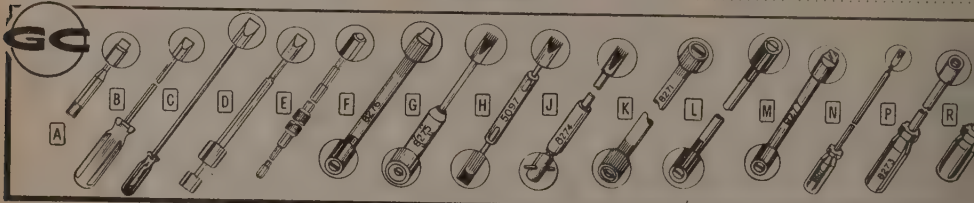
$4.79

Ten of the most useful to
for alignment and adjustm
of Citizens Band transceiv
according to a trade publi
tion's nationwide survey.
includes: alignment screwd
ers. K-Tran tool: core aligi
universal aligner: tuning wa
TV wrench and aligner; dou
end core tool; IF core alignm
tool. Comes in flexible plas
carrying kit that rolls up
easy, compact storage in y
tool caddy. Shpg. wt., 1 lb.
50 U 676 . . . . 4.

MODEL 8280 DELUXE 16-PC. TV ALIGNMENT TOOL KIT

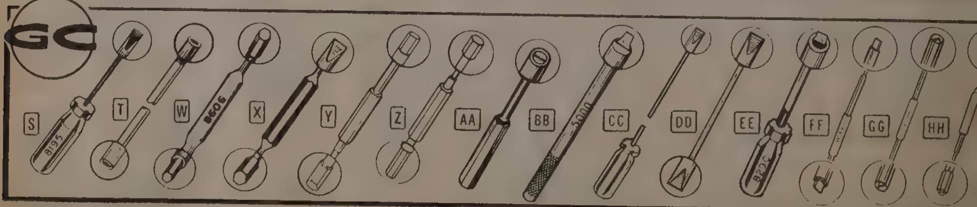


Handy roll-up pouch, made of durable leatherette cont
specially engineered television alignment tools. Pouch ha
over flap to prevent tools from falling out in transit.
cludes: short alignment tool; 2 aligning wrenches;
tool; channel tuning tool; TV-FM tuning tool; 2 core al
IF and oscillator aligner; all-purpose aligner; long reach a
universal aligner; duplex aligner; "shorty" aligner; thin
wand; hex wrench. Shpg. wt., 8 oz.
50 U 002 . . . .



Stock No.	Type	Fig.	Description	Oz.	EA.
50 U 122	5066	A	AM-FM adjustment tool	4	.37
50 U 125	9108	B	6" non-mag TV focus adj. tool	3	1.83
50 U 143	9110	C	10" non-mag. TV focus adj. tool	4	2.30
50 U 151	9299	D	Color TV dual adjustment tool	2	1.33
50 U 164	9302	E	Hex core alignment tool	4	.48
50 U 011	8276	F	Short duplex aligner	3	.50
50 U 014	8275	G	Zenith universal aligner	3	.50
50 U 015	5097	H	K-tran and IF aligner	3	.76

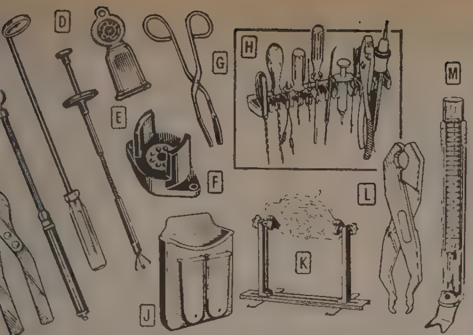
Stock No.	Type	Fig.	Description	Oz.
51 U 292	8274	J	9" nested core aligner	3
51 U 496	8271	K	Stackpole stud-type core aligner	3
50 U 019	8722	L	7" duplex #4 and #6 stud aligner	3
51 U 497	8277	M	2⅝" duplex aligner	3
51 U 498	8607	N	12" nylon tip aligner	4
51 U 493	8608-E	....	Replacement nylon tip for above	3
51 U 494	8273	P	All-purpose TV aligner	3
51 U 495	9298	R	2" blade alignment tool	5



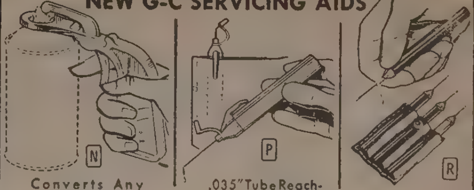
Stock No.	Type	Fig.	Description	Oz.	EA.
50 U 020	8195	S	Channel tuning tool	3	.71
50 U 585	8278	T	Extra-thin TV tuning wand	3	.52
50 U 010	8606	W	Zenith-Admiral nylon hex wrench	3	.47
50 U 013	8282	X	Zenith wrench and aligner	3	.36
50 U 012	9091	Y	.125" hex nylon wrench	3	.47
50 U 008	9296	Z	11" nylon hex (.075") wrench	4	.62
50 U 009	9050-L	AA	Zenith nylon hex wrench	3	.52
50 U 021	5000	BB	Alignment screwdriver	3	.41
51 U 499	8988	CC	12" blade plastic screwdriver	3	.91

Stock No.	Type	Fig.	Description	Oz.
51 U 492	8989	CC	16" blade plastic screwdriver	3
50 U 016	8728-A	DD	7" long Delrin screwdriver	3
50 U 017	8728	DD	Same as 8728-A, left, but 12" long	3
50 U 018	8729	DD	Same as 8728-A, left, but 16" long	3
51 U 661	8290	EE	Universal screwdriver aligner	3
50 U 571	8868	FF	Tel-A-Turn screwdriver	3
51 U 659	8867	GG	Tel-A-Turn IF aligner	3
51 U 660	8869	HH	Tel-A-Turn Hex aligner	3

Allied Has Complete Stocks of Alignment and Service T



NEW G-C SERVICING AIDS



Converts Any Aerosol Spray Can Into a Spray Gun. Keeps Hands Clean . . . No Hand Fatigue

.035" Tube Reaches Inside Any Mechanism to Dispense Drop or Fraction of Drop of Fine Instrument Oil

Winds "Pigtail" Over 16, 18 and 20-Gauge Wire. Handy for Soldering, Repairing

SELECTED ALL-PURPOSE SERVICING TOOLS AND ACCESSORIES

-C 8872 C-RING TOOL. Removes, inrts "C" washers, retainers. 2 oz.
253.............................1.84

-C 8725 ILLUMINATED INSPECTION MIR-OR. Anod. aluminum; 6" lucite rod, 1" d mirror. With bulb; less penlight 12¼" long. Wt., 6 oz.
007.............................1.97
870. Burgess "Z" Cell. 1½-volt cell for . Uses two. 3 oz.....Pkg. of 2 for 20¢

-C 5090 INSPECTION MIRROR. 1" dia. irror, 7⅞" shaft. 5 oz.
006.............................41¢

-C 5089 PICKUP TOOL. Push button open claws—release to close. Flexible aft. 4 oz.
741.............................96¢

-C 9130 TUBE GADGET. 3 tools in one. raightens 7 or 9-pin min. tube pins; ulls tubes. 3 oz.
003.............................90¢

-C 5191 PIN-STRAIGHTENER. For 7-pin in. tubes. Steel die. 6 oz.
365.............................73¢
366. Type 8105. Same as 5191, but for min. tubes. 6 oz.................73¢

51 U 367. Type 8655. Same as 5191, but for 7 and 9-pin min. tubes. 7 oz.........1.47

G G-C TYPE 5092 TUBE PULLER. Scissors-type. Rubber tips. 12 oz.
50 U 325.........................96¢

H G-C 9525 TOOL CADDY. Holds 12 tools, all sizes and shapes, with spring-locked brackets. 10⅞" wide. ¾ lb.
50 U 254.........................1.57

J G-C 8943 TOOL HOLSTER. Attaches to belt by 2 metal loops. 3 compartments: one full-size, 2 narrow. Tough, flexible plastic. 6 oz.
50 U 432.........................2.97

K G-C 5212 CHASSIS CRADLE. Rotates 360° to lock radio or TV chassis at best working angle. Makes any part of chassis easily accessible. 14" high, adjustable to 24" wide, 12½" deep. 7 lbs.
52 U 710 X.......................7.35

L G-C 9356 FUSE PULLERS. Nylon tongs at each end for miniature and industrial fuses, from 3⁄16" to 1" dia. Also fits domestic screw-in type. 1 oz.
50 U 177.........................87¢

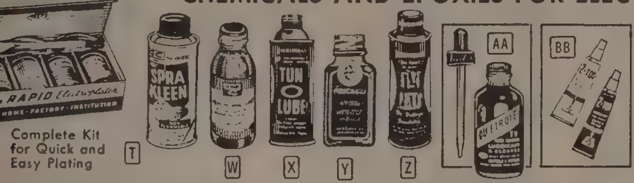
M G-C 8840 HIGH-VOLTAGE GAUGE. Snaps directly onto plate cap of any listed tube to measure high voltage pulses in TV sets. Safe and easy; draws no current. 6" long; extends to 9½". 1 lb.
51 U 289.........................2.25

N G-C 5900 SPRAY CAN HANDLE. Converts any aerosol spray can to spray gun. Keeps hands clean; eliminates hand fatigue. Shpg. wt., 2 oz.
50 U 178.........................48¢

P WALSCO REACH-ALL PEN OILER. Pocket size precision instrument oiler. Has .035" stainless steel tube that extends up to 9½"; lubricates hard-to-reach spots without disassembly. Dispenses drop or fraction of drop of fine oil. Transparent, refillable container comes filled. 5" long. Pocket clip tube guard. 3 oz.
50 U 165.........................97¢

R G-C 5079 "PIGTAILER" KIT. 3 tools for lengthening pigtails, repairing broken leads, connections and printed circuits. Color-coded tools wind pigtails for 16, 18 and 20-gauge wire. 4 oz.
50 U 190.........................3.33

CHEMICALS AND EPOXIES FOR ELECTRONICS



Complete Kit for Quick and Easy Plating

PID ELECTROPLATING KITS. For easy ctroplating of small metal objects. kit includes: 1-oz. metal cleaner; 1-oz. polish plating compound; ⅝" brush; and clips; polishing stick. Less bat- below—uses two No. 6 1½-volt. wt., 1 lb.

k No.	Type	Compound	EACH
076	200	Nickel	1.67
077	202	Cadmium	1.67
079	204	Copper	1.67
080	205	Brass	1.67
088	206	Silver	2.66
089	207	24K Gold	4.61

541. Batteries. 2 lbs.........Each 84¢

C "SPRA-KLEEN" CONTACT CLEANER. eans and lubricates contacts, con- relays, switches and other sliding-t devices in one operation. 6 fluid pg. wt., 10 oz.
075.............................97¢

E-OX-ID CLEANER. (Not illus.) Active ients in light oil base. For volume one controls, audio mixers, relays. 2 z. Shpg. wt., 6 oz.
091.............................94¢

W G-C 211-4 CARBON TETRACHLORIDE. Non-explosive, nonflammable. For cleaning controls and contacts. 4 fluid oz. Shpg. wt., 8 oz.
50 U 621.........................64¢

X CHEMTRONICS "TUN-O-LUBE." Cleans, lubricates contacts; quiets tuner noises. 8 fluid oz. Shpg. wt., 1 lb.
51 U 270.........................1.69

Y CHEMTRONICS ALL-PURPOSE GLUE. Strong, fast-drying glue for plastic, wood, metals. 2 fluid oz. Shpg. wt., 4 oz.
51 U 783.........................48¢

CHEMTRONICS FROST-AID. (Not illus.) Locates hard-to-find intermittents caused by temperature changes. Spray suspected parts, one at a time; cools them instantly. 8 fluid oz. Shpg. wt., 1 lb.
51 U 554.........................1.69

Z "NO NOISE" CLEANER. Quickly cleans and lubricates tuner controls, contacts and switches. Eliminates noise caused by dirty components. 6 fluid oz. Shpg. wt., 14 oz.
51 U 397.........................2.20

JET-PAK SPRAY OUTFIT

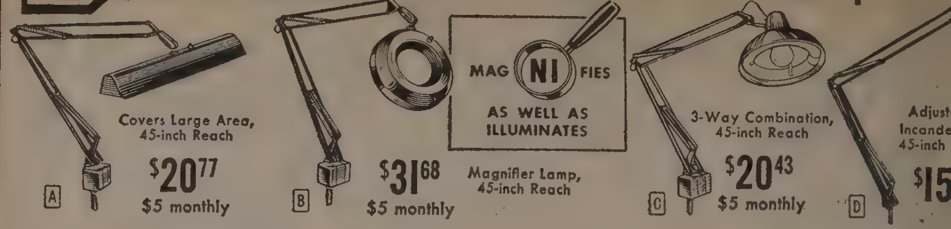
$1.98

Sprays up to 32 oz. of any liquid. Uses gas power-cartridge. Includes head assembly, 4-oz. glass jar, 15-oz. power unit. Shpg. wt., 1½ lbs.
50 U 638.........................1.98
50 U 640. 15-oz. Power Unit. 1 lb...1.20
50 U 642. Extra Jar. 5 oz...........13¢

AA QUIETROLE CLEANER. Effectively eliminates noises caused by dirt on controls, switches, relays and other sliding contact devices. Safe—nonexplosive and nonflammable. 2-oz. bottle, dropper applicator. Shpg. wt., 4 oz.
50 U 090.........................1.35

BB DEVCON "2-TON" EPOXY SUPER-GLUE. So strong that a single drop will hold two tons. Hardens to a glossy white finish, waterproof and non-shrinking. Excellent for porcelain and appliance repairs. Mends chipped or cracked sinks, stoves, refrigerators and lavatory fixtures. Also bonds all types of steel, wood, iron, aluminum, glass, bronze, leather, brass, fabric, lead, granite and most plastics. Includes two 2-oz. tubes: one of epoxy super-glue, one of special glue hardening agent. Shpg. wt., 5 oz.
51 U 787.........................69¢

LUXO Adjustable Home and Office Lamps



A **MODEL FL-1 FLUORESCENT LAMP.** Ideally suited for applications in office, factory or home where a large area of light is needed. Can be raised, lowered or turned with a slight touch, and spring-balanced arms "stay-put." Swivels 360°; 45" reach. Gray. 8' cord. Less mtg. bkt. and tubes (uses 2, below). U.L. Listed. For 110-120 v., 60 cycle AC. 9 lbs.

51 U 990 X. *$5 Monthly*........................20.77
52 U 922. T8 Tube. 1 lb.........................Each 1.05

B **MODEL LFM-1 FLUORESCENT/MAGNIFIER LAMP.** Fluorescent lamp with a 5" magnifier that's perfect for miniature component assembly, inspection, reading fine print. Moves with a touch and stays in place. Sweeps 360°. Reaches 45". Gray finish U.L. Listed. Less tube and mtg. bracket (below). For 110-120 v., 60 cycle AC. 8 lbs.

51 U 988 X. *$5 Monthly*........................31.68
52 U 934. T9 Tube. 1½ lbs.........................2.99

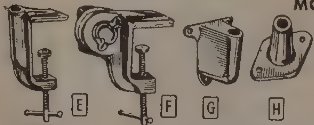
C **MODEL LC-1 COMBINATION LAMP.** Combines incandes and fluorescent light in one fixture. Either light can be alone, or together. Excellent for working with color. Rea 45". Sweeps 360°. Gray finish. U.L. Listed. Less 60-watt b T9 tube, and mounting bracket. T9 tube and brackets li below. For 110-120 v., 60 cycle AC. 9 lbs.

51 U 989 X. *$5 Monthly*........................20.
52 U 934. T9 Tube. 1½ lbs.........................2

D **MODEL L-1 INCANDESCENT LAMP.** Precision construction exceptional flexibility. "Feather-touch" positioning— be raised, lowered or turned with slight finger pressure. Spr loaded arms stay in position. Reaches 45". Swivels 360°. Ve porcelainized shade for rapid heat dissipation. Dove gray. Listed. Uses std. bulbs. Less bulb and bracket (brackets bel For 110-120 v., 60 cycle AC. Shpg. wt., 5 lbs.

51 U 987 X. *$5 Monthly*........................15.

MOUNTING BRACKETS FOR ALL LAMPS ABOVE



E **DESK CLAMP.** Clamps to edge of table or desk. Opens 2¼". 1 lb.

51 U 992........................1.68

F **SLANTED SURFACE CLAMP.** Ideal for top edge of drafting board. 1 lb.

51 U 995........................2.62

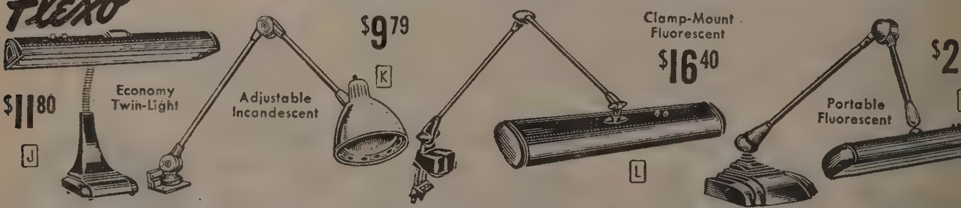
G **SCREW-MOUNT FOR VERTICAL SURF** Screws to wall, cabinet side. 1 lb.

51 U 993........................1

H **SCREW-MOUNT FOR LEVEL SURF** Screws to desk, table top. 1 lb.

51 U 994........................1

Flexo ADJUSTABLE FLUORESCENT AND INCANDESCENT LAMPS



J **MODEL 4444 "FLEXARM" PORTABLE TWIN-LIGHT.** Two-light fluorescent lamp. Adjusts in height from 8" to 14". Heavy-gauge steel shade. 20⅛x4½x18". Pushbutton on-off switch. Providing cool fluorescent light, lamp is ideal for the office or home desk. Bronze finish. Rubber feet. Less tubes; uses 2 T8's. U.L. Listed. For 110-120 volts, 60 cycle AC. Shpg. wt., 10 lbs.

50 U 786 X........................11.80
52 U 922. T8 Tube. 1 lb.........................Each 1.05

K **MODEL 5600 "COOL-SHADE" LAMP.** Has vented shade for cool handling. Swivels at base, shade, and each joint. Spring-controlled—stays where placed without dropping. Extends 42". Shade, 5½x7". Universal base for clamping or screw-mounting on desk or work bench. Gray. Less bulb; uses standard incandescent. U.L. Listed. For 110-120 v., 60 cycle AC. Wt., 3½ lbs.

50 U 785 X........................9.79

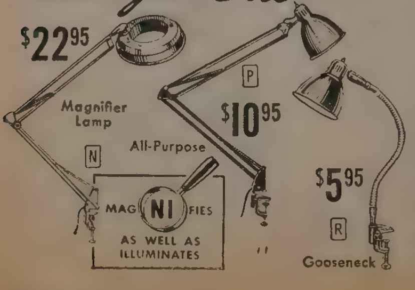
L **MODEL 4303 ALL-PURPOSE FLUORESCENT LAMP.** Two-ligl rescent adjusts with a touch to any desired position. He vertically 180°; rotates 300°. Upper elbow tilts 160° ver lower, 110°. Extends 36". Spring-controlled swivel joints. clamp mounting. Less tubes; uses two T8's (listed below Listed. For 110-120 v., 60 cycle AC. 10 lbs.

50 U 809 X........................

M **MODEL 4324 PORTABLE DESK LAMP.** Use it on desks w screw-clamp is not practical. Virtually tip-proof. Has weighted base. Double arm extends 32". Spring-controlled joints. Has grooves in base for pen and pencil. Bronze finis tubes; uses 2 T8's. U.L. Listed. For 110-120 v., 60 cycl Shpg. wt., 23 lbs.

50 U 811 U. *$5 Monthly*........................2
52 U 922. T8 Tube. 1 lb.........................Eac

Swing-O-Lite ADJUSTABLE LAMPS FOR EVERY PURPOSE



N **MODEL BBM-9 FLUORESCENT MAGNIFIER LAMP.** Distortion-free magnification and cool fluorescent light. 5" lens with 13" focus. 45" reach. Spring-controlled and counterbalanced for easy positioning. Gray finish. With "C" clamp for secure, easy mounting. Less tube (below). U.L. Listed components. For 110-120 v., 60 cycle AC. Shpg. wt., 10 lbs.

51 U 193X. *$5 Monthly*.....22.95
52 U 934. T9 Tube. 1½ lbs........2.99

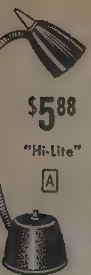
P **MODEL BB45C ALL-PURPOSE** Raises, lowers and turns at pressure of your hand, and is controlled to hold position. Arms to 45" for full work coverage. Sl vented to permit rapid heat dissi Has "C" mounting clamp for easy installation. Gray finish. Les uses standard incandescent. U.L. components. For 110-120 v., 60 AC. Shpg. wt., 5 lbs.

51 U 192 X........................1

R **GOOSENECK LAMP.** Low-cost lamp, perfect for the service bench, desk, or shop. Lamp shade rotates on joint to direct light. Flexible gooseneck e over 30" circle. Uses standard incandescent bulb (not supplied). Gray finish. "C"-clamp mounting bracket for easy installation. U.L. Listed component 110-120 v., 60 cycle AC. Shpg. wt., 5 lbs.

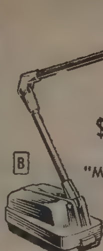
50 U 976 X........................

Low-Voltage High-Intensity Lamps


$5.88

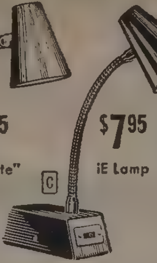
"Hi-Lite"

A


$6.95

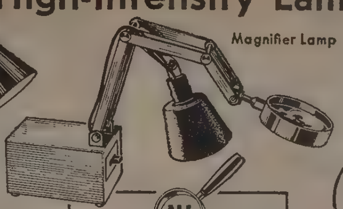
"Microlite"

B


$7.95

iE Lamp

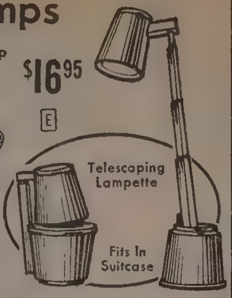
C


Magnifier Lamp

$17.95

D

MAG NI FIES AS WELL AS ILLUMINATES


$16.95

E

EAGLE "HI-LITE"

Miniature lamp provides glare-free, concentrated light for sewing, typing, ading in bed, dozens of other uses. 12" oseneck adjusts easily in any direction. ½" dia. base. Can be hung on wall. yled to look good in any room, has etal, black shade and base, and gold oseneck. 6-ft. cord and plug. With No. 12-volt lamp. U.L. Listed. For 110-0 v., 60 cycle AC. Sh. wt., 2 lbs.

U 821........................5.88

U 823. Extra No. 93 Bulb. 3 oz....29¢

THUROW ML-1 "MICROLITE"

B Produces easy-on-the-eyes glare-free white light. Folding arm and swivel joints for flexibility. Provides right light just where you want it. Slot on base allows lamp to be hung on wall. Perfect as bed lamp, or for typing, studying, sewing. Ivory color plastic housing. 6-ft. cord and plug. With No. 93 12-volt bulb. U.L. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 3 lbs. From Japan.

50 U 799........................6.95

51 U 823. Extra #93 Bulb. 3 oz.......29¢

iE HI-LO DESK LAMP

C Gives concentrated, low-glare light for writing, painting, organ or piano. Equivalent of a 100-watt lamp, but uses a low-voltage bulb that generates little heat. 12" gooseneck is adjustable. Switch for choice of High or Low intensity. Metal base and shade, finished in gold. Silver gooseneck. Slot permits wall mounting. 6-ft. cord and plug. With No. 93 bulb. For 110-120 v., 60 cycle AC. Shpg. wt., 2 lbs.

50 U 798........................7.95

ROXTER MODEL 7175 LAMP/MAGNIFIER

Combines cool glare-free light with a useful magnifier. Two-power magnifier has 7" focal length. Magnifier arm swivels rtically and magnifier rotates. Lamp swivels vertically, exnds to 12". Lamp and magnifier can be moved independently shadow control. Hi-Lo switch for choice of 500-fc or 250-fc ensity. Magnifier can be swung out of way. With 1133 bulb. r 110-120 v., 60 cycle AC. 2½ lbs.

U 810..17.95

LAMPETTE MODEL E-6 LAMP

E Telescoping arm extends from 5" to 16". Shade swivels 360°. Low-voltage bulb provides light equal to a conventional 150-watt bulb. On-Dim-Off switch. Folds down to 3x6". Black color. 6-ft. cord with plug. With No. 1133 bulb. U.L. Listed. For 110-120 v., 60 cycle AC. Imported.

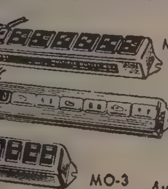
50 U 817. Shpg. wt., 4 lbs.............................16.95

50 U 818. As above, but white color...................16.95

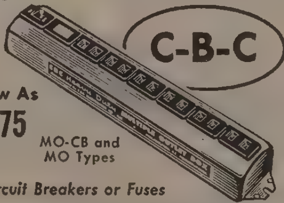
50 U 841. Extra No. 1133 Bulb. Wt., 3 oz.......................37¢

HANDY ELECTRICAL ACCESSORIES

POPULAR MULTIPLE-OUTLET BOXES



As Low As $3.75



Available with Circuit Breakers or Fuses

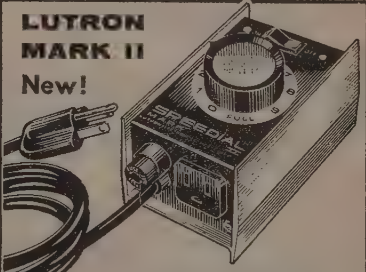
y-duty AC outlet boxes. Each is rated 15 amps at 115 volts. plete with 10-ft. cord, on-off hes, and brown hammertone l cases with mounting ears. Units CB in Type No. have built-in button-reset circuit breaker in GD in Type No. indicates 3-grounding-type outlets and plug; thers are 2-wire. MO types have light. SS-CB and SS each have individually switched outlets. All s are 13x2¼x1½", except MO-3, 1¼".

CIRCUIT-BREAKER TYPES

Stock No.	Mfr's Type	Out-lets	Wt., Lbs.	EACH
51 U 197	MO-GD-CB	6	2¾	10.29
51 U 198	MO-CB	6	2¼	8.57
51 U 199	SS-CB	4	2¼	8.57
FUSED TYPES				
50 U 948	MO-GD	6	2¾	7.95
50 U 949	MO	6	2¼	6.25
50 U 950	SS	4	2¼	6.25
50 U 951	MO-3	3	1½	3.75

LUTRON MARK II

New!



PORTABLE POWER TOOL SPEED CONTROL

$11.95

- Dial Proper Speed for Drilling
- Slows Sabre Saw for Plastics
- Slows Sander for Finish Work

Electronically varies speed of AC-DC motors from zero to full speed with little loss of power. Just dial proper speed for efficient drilling of tough steel or soft plastic or aluminum. Slows sabre-saw for cutting soft material without clogging blade. Makes mixers and blenders more versatile. For up to 5 amp universal (AC-DC) and series DC motors only. 900-watts maximum load. For 110-120 v., 60 cycle AC. 1½ lbs.

50 U 836........................11.95

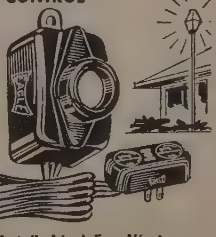
EAGLE "LIGHT-A-MATIC" CONTROL

"Light-A-Matic" you can never et" to turn on the lights at night. oelectric control automatically on lights at dusk, and shuts them t dawn. Protects property while e away by giving it a "lived in" look, offers convenient night lighting. emely easy to install, just place ol near a window facing outside, ral light. Plug into outlet and plug (s) into unit. Photoelectric cell is etically sealed in gray bakelite g. 2⅝x1¾x1⅜". 8-ft. gray cord series plug. Magnetic field around act points effects fast make-and-k, allows handling of 875 watts inescent or 500 watts fluorescent. For 125 v., 50-60 cycle AC. 1 lb.

839........................7.95

New!

$7.95

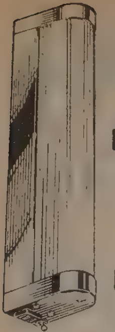


- Easily Installed in A Few Minutes
- Controls Porch, Window, Yard Lights
- Turns on Indoor Lights for Protection
- For Outdoor Signs, Display Case Lights

CLAMP-ON UTILITY SET

Light-bulb socket and cord set with vinyl-covered heavy-duty clamp for attaching to chair, bed or post. Handy for repair work in dark closets, basement or garage. Perfect for holding spotlight bulbs for display lighting. Socket on swivel for adjusting to any angle. Push-switch. 8-ft. cord. Shpg. wt., 1 lb.

51 U 585........................1.19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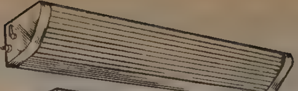
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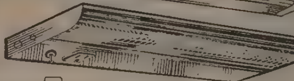
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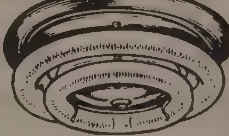
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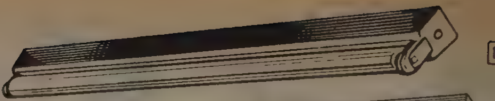
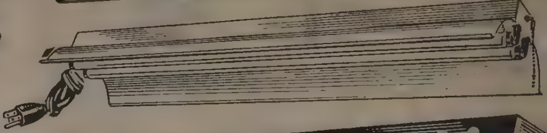
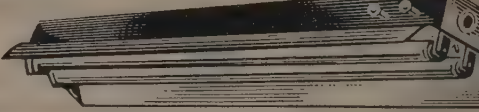




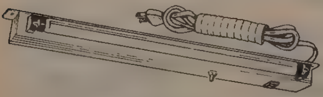


American Fluorescent Fixtures For Home and Sh

A 15-WATT UTILITY FIXTURE

Attractive, plastic-enclosed fluorescent tube bracket. Pre-heat type; uses single 15-watt fluorescent tube. Ideal for stores, shops, or in the home—specially suited for mounting over bathroom mirror. Handsomely styled; has triple-plated all-chrome body and ends. Totally sealed with ribbed plastic diffuser. Included at one end of the fixture is an on-off switch and a grounded convenience outlet for plugging in an electric toothbrush, razor or other 115-volt appliance. Complete with fluorescent tube (extra tubes listed in table below). Size: 18⅞" long; 2⅞" wide; 4" deep. U.L. Listed. For 110-120 v., 60 cycle AC. Wt., 4 lbs.
50 U 912 X 7.29

MULTI-PURPOSE PIN-UP STRIP LAMP



Versatile pin-up, plug-in fluorescent lamp. Installs as easily as ordinary lamp. Has 15-watt tube and 6-ft. power cord, 115-v. convenience outlet, on-off switch. 20¾x2x1½"; 1½" from ceiling. U.L. Listed. For 110-120 v., 60 cycle AC. 3 lbs.
50 U 923 X 5.79

B 20-WATT DIFFUSER FIXTURE

Handsome ribbed plastic diffuser for single 20-watt fluorescent tube. Perfect for mounting over kitchen range, bathroom mirror, elsewhere. Preheat type; included at one end of unit is on-off switch and grounded AC outlet for tools, electric razor, etc. Chrome end caps. With fluorescent tube (extra tubes in table below). 24⅞" long; 3¼" deep. Extends 5" from wall. U.L. Listed. For 110-120 v., 60 cycle AC. Shpg. wt., 5½ lbs.
50 U 913 X 9.29

C 8-WATT CABINET LAMP

Fluorescent lamp for supplemental lighting. Ideal for under-cabinet use. White. Wired, with grounded receptacle, switch, 6-ft. cord, plug. 12⅝" long. With tube. U.L. Listed. For 110-120 v., 60 cycle AC. 3 lbs.
51 U 583 .... 7.49
50 U 917. 15-Watt Utility Lamp.
As above, but 15 watts. 4 lbs. **7.95**

D CIRCLINE TWO-LAMP FIXTURE

Provides even distribution of comfortably soft light, intensity equal to 100-watt incandescent bulb. Has 12" dia. 32-watt, and 8" dia. 22-watt lamps. With lamps, hardware. For 110-120 v., 60 cycle AC. Shpg. wt., 11 lbs.
51 U 548 X 11.98

E STRIP LIGHT FIXTURES

Attractive fluorescent fixtures easy
stall. Single tube, except *2 tubes.
baked-enamel. Normal power factor.
start type. With tubes, starters. U.L.
For 110-120 v., 60 cycle AC.

Stock No.	Mfr's. Type	Watts	Lgth.	Wt Lbs
51 U 547 X	S-120	20	25"	4
51 U 548 X	S-140	40	49"	6
50 U 919 X	S-140†	40	49"	6
50 U 920 X	S-240†	(2) 40*	49"	12

F HIGH-INTENSITY FIXTUR

Rapid-start fluorescent fixture inclu
ft. SJ power cord and pull chain s
Uses two 40-watt, 48" fluorescent
Has normal power factor. Also in
knock-outs for wiring connectors. A
tive white enamel finish. 48x13x4¾".
plete with fluorescent tubes. U.L. I
For 110-125 v., 60 cycle AC. 15 lbs.
50 U 922 X.................1

G 2-TUBE RAPID-START FIXTU

Uses two 40-watt, 48" fluorescent tub
even, intense lighting. Normal power f
With knock-outs for wiring conne
White enamel finish. With fluor
tubes. Size, 48x12½x4¾". U.L. Liste
110-125 v., 60 cycle AC. 15 lbs.
51 U 546 X.........................1

STANDARD AND CIRCLINE FLUORESCENT TUBES

Use only a fraction of the power of incandescent bulbs. White tubes have light characteristic similar to standard incandescent bulbs. Daylight tubes provide slightly bluish tinge, approximating daylight: Cool-white tubes are 4500° Kelvin. All have medium-size bi-pin bases, except T5 (miniature bi-pin) and Circline tubes (4-bin-bases). *Circline tubes; size in table is diameter of tube circle. §Rapid-start types. †For plastic diffuser fixture (Fig. B above)

Stock No.	Type	Watts	Size	Tube Dia.	Color	Wt., Lbs.	EACH
52 U 920	T5	4	6"	⅝"	Cool-white	½	1.39
52 U 933	T5	6	9"	⅝"	White	½	1.39
51 U 586	T51	8	12"	⅝"	Cool-white	¼	1.39
52 U 930	T12	14	15"	1½"	Cool-white	1	.95
52 U 922	T8	15	18"	1"	Daylight	1	1.05
52 U 931	T12	15	18"	1½"	Cool-white	1	.95
51 U 109 X	T12†	20	24"	1½"	Cool-white	½	.95
50 U 828 X	T12	20	24"	1½"	Daylight	1½	1.05
52 U 934	T9*	22	8¼"	1⅛"	Cool-white	1½	2.99
52 U 932	T10*	32	12"	1¼"	Cool-white	1½	2.99
50 U 822 X	T12§	40	48"	1½"	Cool-white	2	1.10
50 U 821 X	T12§	40	48"	1½"	Daylight	2	1.17

ADVANCE FLUORESCENT BALLASTS

Wide selection of superior-quality ballasts for all popular fix
*Tube watts. †For use with rapid-start tubes. ‡45 to 55% corr
**Over 90% corrected. All ballasts are U.L. Listed. For 11
volts, 60 cycle AC.

‡1-LAMP BALLAST—NORMAL POWER FACTOR

Stock No.	Type	Watts*	Size	Ctrs.	Lbs.
50 U 744	L-120F	15/20	4¼x2x1$\frac{7}{16}$"	3$\frac{9}{16}$"	1
50 U 745	L-140F	30, 40	6½x1$\frac{15}{16}$x1⅜"	6"	2
50 U 746	LO-14-20-C	14, 15, 20	3⅛x1$\frac{25}{32}$x1¼"	2¾"	¾
50 U 753	RLC-140	32, 40	6½x1$\frac{15}{16}$x1⅜"	6"	2½

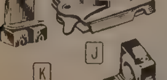
‡2-LAMP BALLAST/NORMAL POWER FACTOR

50 U 747	L-220F	15-15, 20-20	6¼x2x1$\frac{7}{16}$"	5$\frac{9}{16}$"	1½
50 U 748	R-22-32	22-32	6½x2⅜x1$\frac{11}{16}$"	6"	3

**2-LAMP BALLAST/HIGH POWER FACTOR

50 U 749	S-240	40-40	11¾x2⅜x1$\frac{11}{16}$"	11¼"	4½
50 U 750	RSHM-240	40-40	9½x2⅜x1$\frac{11}{16}$"	8$\frac{29}{32}$"	4¼
50 U 752	†RQM-2S40	40-40	9½x2⅜x1$\frac{11}{16}$"	8$\frac{29}{32}$"	4

STARTERS AND SOCKETS FOR FLUORESCENT LAMPS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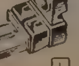
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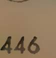
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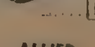

L

H LAMPHOLDER SOCKET. Rugged socket for use with 14, 15, 20, 30 and 40-watt fluorescent bulbs. Attractive black finish. 2 per package. Shpg. wt., 3 oz.
51 U 258........**Pkg. of 2 for 75¢**

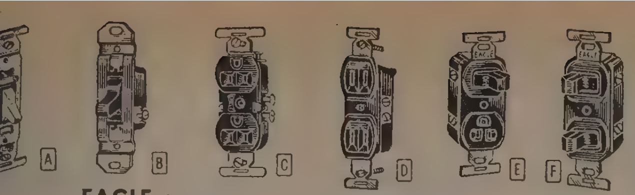
J STARTER SOCKET. Dual-loc remote starter socket. 2 per package. Shpg. wt., 4 oz.
51 U 259........**Pkg. of 2 for 27¢**

K STARTERS. *For use with Circline bulbs. †For Circlarc and regular bulbs. Av. shpg. wt., 3 oz.

Stock No.	Mfr's Type	Watts	PKG. OF 2
51 U 254	FS2	14, 15, 20	.36
51 U 255	FS4	30 or 40	.36
51 U 256	FS12	32*	.43
51 U 257	FS22	14, 15, 18* 20-22†, 25	.45

L STARTER SOCKET/LAMPHO
Combination Flex-Lock la
holder and Dual-Loc starter so
For use in lamps, fixtures, etc.
dles all standard fluorescent
sizes. Dual-Loc mounting fea
holds bulbs securely; assures
tive contact with socket elect
at all times. 2 per pkg. Shpg.
4 oz.
51 U 260.........Pkg. of 2 for

Depend on Allied for Your Fluorescent Lighting Supp



EAGLE APPROVED SWITCHES AND RECEPTACLES

ESIDENTIAL QUIET SWITCH. Easy to
ire; has both screw and pressure ter-
ls. 15 amps @ 120 VAC only. U.L.
d; C.S.A. Approved. 4 oz.

528. Brown—Single Pole........**39¢**
529. Ivory—Single Pole..........43¢
000. Brown—3-Way..............65¢
001. Ivory—3-Way...............69¢

ESIDENTIAL FLUSH TOGGLE SWITCH.
its flush with wall surface. U.L.
d; C.S.A. Approved. 2 oz.

002. Brown—Single Pole........**24¢**
003. Ivory—Single Pole..........28¢
004. Brown—3-Way..............37¢
005. Ivory—3-Way...............41¢

-WIRE DUPLEX RECEPTACLE. Rated: 15
mps @ 125 volt. U.L. Listed. Has
screw and pressure terminals. 4 oz.

006. Brown......................**34¢**
007. Ivory.......................38¢

D **BAKELITE DUPLEX FLUSH RECEPTACLE.** Two receptacles on one unit. Fits flush with wall surface. Rated: 15 amps @ 125 v. With plaster ears. U.L. Listed. 4 oz.

52 U 008. Brown........................**23¢**
52 U 009. Ivory.........................27¢

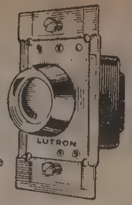
E **COMBINATION SWITCH AND RECEPTACLE.** Includes single pole switch and U-ground receptacle. With plaster ears. Switch ratings: 10 amps @ 125 v.; 5 amps @ 250 v. Receptacle rating: 15 amps @ 125 v. U.L. Listed. Shpg. wt., 5 oz.

51 U 530. Brown....................**1.19**
51 U 531. Ivory.....................1.29

F **DUPLEX SINGLE POLE SWITCH.** Contains two single pole switches on one unit. With plaster ears. Ratings: 10 amps @ 125 v.; 5 amps @ 250 v. U.L. Listed. 4 oz.

52 U 010. Brown......................**55¢**
52 U 011. Ivory.......................65¢

NEW!
LUTRON
ELECTRONIC DIMMER CONTROL



- Continuously Variable
- Solid-State Design
- Lengthens Bulb Life

Lets you adjust intensity of lighting for reading, watching TV, party atmosphere or relaxation. Turn knob to set or change light level; push knob to switch lights on and off without disturbing dimmer setting. Replaces standard 2-way switch; uses existing wall plate. Controls 600 watts of incandescent light; use with minimum of 100 watts. Silicon symmetrical design withstands current and inverse voltage surges. U.L. Listed. ½ lb.

52 U 012.....................**11.95**

52 U 013. 3-Way Dimmer. Above, but replaces 3-way switch. ½ lb...14.95

G SCOTCH PLASTIC ELECTRICAL TAPE

33. Plastic-backed electrical tape, .007″ thick.
ides 10,000-volt dielectric strength. Extremely bind-
clings tightly. Easily fits around irregular surfaces
ake neat, compact wrappings. Resists action of
icals, abrasion, oil, salt water, and effects of weather.
vt., per roll, 6 oz.

613. ¾″x20′.......................Per Roll **47¢**
512. ¾″x66′.......................Per Roll 1.28

88. All-weather, 8.5-mil plastic backed electrical
Makes splice wrapping extremely easy in very cold
her, yet retains its body for quick application at
al temperatures. Resistant to abrasion, oil, moisture,
e and weathering effects. 6 oz.

700. ¾″x66′.......................Per Roll **1.49**
014. ¾″x20′.......................Per Roll 54¢

H DUTCH BRAND ELECTRICAL TAPES

PLASTIC TAPE. Strong black nivyl; plastic dispenser for one-motion "tape and tear" action. Conforms to irregular surfaces; resists weathering. 6 oz.

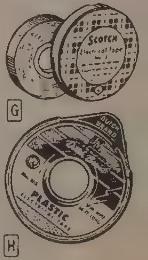
52 U 614. ¾″x44′.......................Per Roll **86¢**

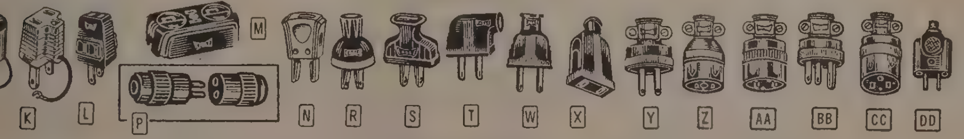
COLD WEATHER PLASTIC TAPE. (Not illus.) Special black vinyl tape for temperatures down to −18°C. *Plastic dispenser. Resists chemicals, flame, oil. 6 oz.

51 U 532. ¾″x20′.......................Per Roll **52¢**
51 U 533. *¾″x60′......................Per Roll 1.24

FRICTION TAPE. (Not illus.) For radio, electrical uses. Tough fabric base resists abrasion, weather. 7 oz.

52 U 610. ¾″x13′.......................Per Roll **15¢**
51 U 486. ¾″x30′.......................Per Roll 27¢
52 U 612. ¾″x68′.......................Per Roll 52¢
52 U 620. ⅜″x60′.......................Per Roll 25¢





VALUES IN SELECTED ELECTRICAL WIRING ACCESSORIES FOR THE HOME

AGLE BAKELITE GROUND ADAPTER.
eavy duty double wire contacts. For
ecting 2-wire system to 3-wire parallel
e and U-ground. 3¾″ grounding lead.
Listed. 15 amp @ 125 v. 2 oz.

669..........................**28¢**

AGLE PARALLEL GROUND ADAPTER.
ray vinyl; will not crack. Double wire
cts. Connects 2-wire system to 3-wire
lel U-ground. Duplex receptacle ac-
two. Grounding lug with "C" lug.
Listed. 15 amp @ 125 v. 2 oz.

729..........................**23¢**

AGLE VINYL CUBE TAP. 3 easy-to-get-at
tlets. Brass spring prongs. 15 amp @
. U.L. Listed. 2 oz.

724..........................**22¢**

AGLE BAKELITE TRI TAP. 3 taps. 15 amp
125 v. U.L. Listed. 2 oz.

545..........................**23¢**

AGLE IFFY PUSH-PULL PLUG. With brass
ring prongs. 15 amp @ 125 v. U.L
d. Shpg. wt., 2 oz.

542..........................**8¢**

ORSE MIDGET CORD-CONNECTOR SET.
contact pull-apart plug and recep-
9/16″ dia. 2 oz.

626..........................**59¢**

AGLE FLEXIBLE SPRING PRONG RUBBER
ANDLE CAP. 15 amp @ 125 v. U.L.
d. With fibre washers. 2 per pkg.
wt., 2 oz.

721................Pkg. of 2 for **23¢**

S **EAGLE FLAT BAKELITE HANDLE CAP.** Brass spring prongs. U.L. Listed. 15 amp @ 125 v. Pkg. of 2. 4 oz.

52 U 723................Pkg. of 2 for **23¢**

T **EAGLE FLAT RUBBER CAP WITH SIDE OUTLET.** With brass prongs. Wiring completely enclosed. 15 amp @ 125 v. U.L. Listed. 4 oz.

52 U 722................Pkg. of 2 for **33¢**

W **EAGLE FLAT RUBBER CAP.** Binding screws won't touch even when stepped on. Brass prongs. 15 amp @ 125 v. Use with Figs. T and W. U.L. Listed. 4 oz.

52 U 725................Pkg. of 2 for **27¢**

X **EAGLE FLAT RUBBER CORD CONNECTOR.** Female contacts. 15 amp @ 125 v. U.L. Listed. 2 oz.

52 U 727..............................**38¢**

EE **INSULATED COPPER STAPLES.** For holding wiring in place. Off-white insulation. Boxes of 50. 7 oz.

50 U 914. 3/16x½″..Box of 50 for 21¢
50 U 915. 3/16x¾″..Box of 50 for 21¢

FF **G-C CABLE CLAMPS.** Nickel-plated. #6 mtg. hole. 25 per pkg. except *20, †15 per pkg. 4 oz.

No.	Type	Fit	PKG.
51 U 215	H502F	⅛″ to 3/16″	36¢
51 U 216	H503F*	3/16″ to ¼″	36¢
51 U 217	Z7243†	¼″ to 5/16″	36¢
51 U 218	H506F†	5/16″ to ½″	36¢

Y **EAGLE LARGE RUBBER HANDLE CAP.** 15 A @ 125 v. U.L. Listed. 2 oz.

52 U 728..............................**23¢**

Z **EAGLE RUBBER CORD CONNECTOR.** 15 A @ 125 v. U.L. Listed. 2 oz.

52 U 603..............................**33¢**

AA **EAGLE RUBBER CONNECTOR.** 15 A @ 125 v. U.L. Listed. 2 oz.

52 U 726..............................**38¢**

BB **EAGLE PARALLEL GROUND RUBBER HANDLE CAP.** 15 A @ 125 v. 2 oz.

52 U 717. U.L. Listed.................**45¢**

CC **EAGLE PARALLEL GROUND RUBBER CONNECTOR.** 15 A @ 125 v. 2 oz.

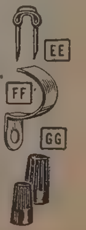
52 U 718. U.L. Listed.................**89¢**

DD **FUSED PLUG.** Takes 2—3AG fuses (not supplied.) U.L. Listed. 3 oz.

52 U 648..............................**37¢**

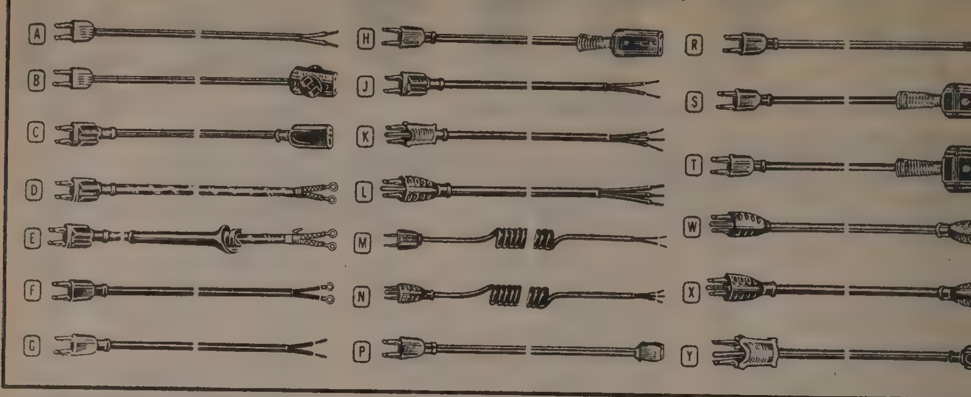
GG **PHENOLIC-TYPE SOLDERLESS WIRE CONNECTORS.** Extremely handy; requires no tools; all you have to do is strip two ends, push them into connector, and screw cap down. Wire cannot be pulled out after being inserted into connector. U.L. Listed. Av. shpg. wt., pkg. of 2, 4 oz.

Wire Size	Stock No.	Pkg. of 12
16-18	52 U 701	15¢
14-18	52 U 702	19¢
12-18	52 U 703	28¢



Extension and Appliance Electrical Cords

BELDEN ELECTRICAL CORDS



2-CONDUCTOR VINYL LINE CORDS

Type 17106, 17109 for lamps, radios, small appliances. Molded plug one end; other end stripped. 17156, 17159, 17162, 3-way cube tap cords. All are brown except 17360, medium-duty black extension cord. Letters in Type No. indicate cordage. *Gauge. U.L. Listed. Av. shpg. wt., 4 oz.

Stock No.	Mfr's Type	Fig.	Ft.	*	EACH 1-9	EACH 10-Up
51 U 854	17106-SPT	A	6	18	.29	.27
51 U 855	17109-SPT	A	9	18	.36	.33
51 U 856	17156-SPT	B	6	18	.39	.36
51 U 857	17159-SPT	B	9	18	.45	.41
51 U 858	17162-SPT	B	12	18	.55	.50

REPLACEMENT IRON AND APPLIANCE CORDS

17826, 17806 for toasters, waffle irons. 17852, 17856, 17866 fit coffeemakers, fry pans. 17727, 17723, 17724, 17726 are replacement iron cords. U.L. Listed. Av. wt., 4 oz.

Stock No.	Mfr's Type	Fig.	Ft.	*	EACH 1-9	EACH 10-Up
51 U 861	17826-HPN	F	6	16	.47	.43
51 U 862	17806-HPN	G	6	18	.39	.36
51 U 863	17852-HPN	H	2	17	.41	.37
51 U 864	17866-HPN	H	6	17	.55	.50
51 U 865	17856-HPD	H	6	18	.53	.49
51 U 945	17727-HPD	D	7	16	.76	.69
51 U 867	17723-HPD	E	7	18	.88	.80
51 U 868	17724-HPD	E	7	18	.88	.80
51 U 869	17726-HPD	E	7	16	.96	.57

REPLACEMENT EXTENSION CORDS

For mixers, blenders, washing machines; appliances using fractional horsepower motors that do not require 3-conductor cord. All are black except, *gray; U.L. Listed. Av. wt., 4 oz.

51 U 870	17205-SVT	J	6	18	.49	.44
50 U 929	*17206-SV	J	6	18	.57	.51
50 U 928	17308-SJ	J	8	18	.63	.57
51 U 850	17310-SJ	J	10	18	.73	.66
50 U 927	17330-SJ	J	10	16	.85	.77

3-CONDUCTOR CORDS

Types 17236, 17238 and 17237 are for small tools, business machines, instruments. Others for sanders, grinders, saws, polishers requiring grounding. *Gauge. Black except, †gray. Letters in Type No. indicate cordage. U.L. Listed. Av. shpg. wt., 8 oz.

Stock No.	Mfr's Type	Fig.	Ft.	*	EACH 1-9	EACH 10-Up
51 U 872	17236-SV	K	6	18	.65	.59
51 U 873	17238-SV	K	8	18	.74	.67
51 U 874	†17237-SVT	K	6	18	.60	.54
50 U 930	17408-SJ	L	8	18	.84	.76
51 U 875	†17407-SJT	L	8	18	.76	.69
51 U 876	17409-SJO	L	8	18	.76	.69
51 U 877	17419-SJ	L	9	16	1.08	.99

RETRACTILE POWER CABLES

Stay neat . . allow free movement of appliance or tool. 6-ft. length retracts to 12"; 12-ft. to 24". Black. U.L. Listed. Letters in Type No. indicate cordage. Av. wt., 1 lb.

51 U 878	17249-SVO	M	6	18	1.12	1.02
51 U 879	17447-SJO	N	6	18	1.44	1.32
51 U 880	17449-SJO	N	12	16	2.32	2.12

MIXER CORDS

Type 17186 (white) fits latest hand-held food mixers. 17116 (white) and 17139 brown) for older mixers, can openers, knife sharpeners. U.L. Listed. Av. shpg. wt., 8 oz.

51 U 881	17186-SPT	P	6	18	.42	.39
51 U 882	17116-SPT	R	6	18	.37	.34
51 U 883	17139-SPT	R	9	18	.41	.37

STD. APPLIANCE AND ROASTER CORDS

Type 17857, appliance cord; $1\frac{1}{16}$" between contacts. For waffle irons, grills, etc. Type 17876, roaster cord; $1\frac{1}{16}$" between contacts. Black. U.L. Listed. Av. wt., 8 oz.

51 U 884	17857-HPN	S	6	18	.58	.53
51 U 885	17876-HPN	T	6	16	.66	.60

W HEAVY-DUTY EXTENSION C

Have molded 3-prong plug at one e
molded 3-prong receptacle at other
conductors. Yellow vinyl cover. U.L.
*In table head indicates gauge.

Stock No.	Mfr's Type	Ft.	*	Lbs.	EA 1-9
51 U 181	17491	25	18	2½	2.04
51 U 182 X	17492	50	18	3½	3.76
51 U 183 X	17493	100	18	9	6.69
51 U 184	17494	25	16	2	2.40
51 U 185 X	17495	50	16	4½	4.70
51 U 186 X	17497	100	16	7	8.36
51 U 187	17694	25	14	5½	4.91
51 U 188 X	17695	50	14	10	8.47
51 U 189 X	17697	100	14	19½	16.23

X 3-CONDUCTOR POWER CO

For electrical equipment having a b
receptacle with blades and groundin
Can also be used as extension cord
devices requiring ground. Black rubbe
vinyl connectors. U.L. Listed.

51 U 895	17460	10	18	2	1.15
51 U 896	17461	10	16	3	1.28

Y 17258 3-CONDUCTOR PROJEC & BUSINESS MACHINE CORD

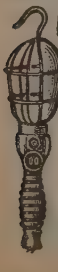
For Revere and Eastman Kodak proj
and Friden, Victor, Hewlett-Packard
ness machines. Fits Switchcraft AC
AC3G connectors. 8 ft. Gray. G
18SVT. Vinyl. U.L. Listed. 1 lb.

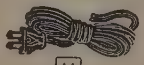
51 U 897. 1-9, EA. . . . . . .91 10-Up . . .

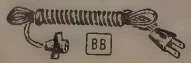
C 2-CONDUCTOR EXTENSION CO

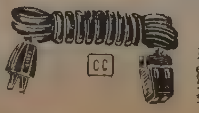
Quality extension cords designed for h
duty applications. Strong, highly fl
2-wire cords feature molded vinyl plug
plastic connectors. Type No. 1727
covered with gray rubber; Type 1
with black rubber. Both types are
Listed.

Stock No.	Type	Ft.	Gauge	Lbs.
50 U 931	17270C	20	SV 18	1
50 U 932	17361S	10	SJ 16	1


Z


AA





Z TROUBLE-LAMP BARGAINS

Extend light and power to any convenient point. Each has heavy-insulation cable. Hard rubber handle houses switch and 2 outlets. Supply up to 600 watts at 110-125 v. AC-DC, less power consumption of bulb. Less bulb. Av. wt., 3 lbs.

50 U 947. With 50-ft. Cable 2.29
50 U 946. With 25-ft. Cable 1.69

AA 6-FOOT REPLACEMENT CORDS

Plastic-insulated. Molded plug on one end; other end stripped. Shpg. wt., 10 oz.

51 U 551. Ivory 21
51 U 550. Brown 21

BB TELEVISION "CHEATER" LINE CO

6-ft., 2-conductor 18-gauge brown vinyl cord
plastic plug. Shpg. wt., 1 lb.

50 U 944 . . . .

CC VINYL TRIPLE EXTENSION CORD

Vinyl plug on one end; flat, vinyl 3-way recep
on other. Vinyl-covered. No. 18 wire.

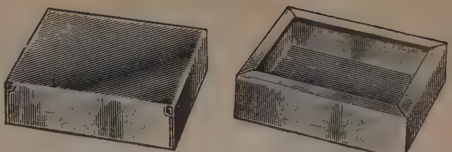
Stock No.	Ft.	Color	Wt.
51 U 232	9	Brown	4 oz.
51 U 233	9	Ivory	4 oz.
51 U 230	6	Brown	3 oz.
51 U 231	6	Ivory	3 oz.

Bud Metal Products

ied stocks the com-
te Bud line of metal
ods. Even if the Bud
ipment you require
not listed, Allied can
your order quickly.

STANDARD CHASSIS BASES

Have one-piece construction; corners are reinforced and spot-welded. The four sides are folded at the bottom for additional strength. Aluminum types are spot-welded. Steel chassis gauges: *No. 22; †No. 20; §No. 18. Aluminum chassis gauges (aluminum gauge): ‡No. 18; **No. 16; ††No. 14. Less bottom plates, below. AC-403: 2x9½x5".



W. D. ches	Black-Wrinkle Steel				Zinc-Plated Steel				Aluminum			
	Stock No.	Type	Lbs.	EACH	Stock No.	Type	Lbs.	EACH	Stock No.	Type	Lbs.	EACH
4									87 U 903	AC-431‡	½	1.10
5	87 U 820	CB-628*	1	1.07	87 U 884	CB-629*	1	1.30	87 U 846	AC-402‡	½	1.17
9½x5	87 U 821	CB-644*	1¼	1.37	87 U 898	CB-645*	1¼	1.67	87 U 847	AC-403‡	½	1.24
9½x5	87 U 822	CB-788*	1	1.20	87 U 899	CB-776*	1	1.69				
4									87 U 904	AC-430‡	½	1.34
5									87 U 905	AC-429**	¾	1.42
½x5									87 U 848	AC-421‡	¾	1.60
x5	87 U 823	CB-604*	1¼	1.27	87 U 878	CB-605*	1¼	1.84	87 U 855	AC-404‡	¾	1.63
x5									87 U 906	AC-422‡	¾	1.84
x6	87 U 824	CB-755†	1¾	1.75	87 U 900	CB-756†	1¾	2.05				
x6									87 U 339	AC-433**	1½	2.67
7	87 U 825	CB-789†	1½	1.20	87 U 879	CB-1191†	1½	1.50	87 U 849	AC-405‡	½	1.35
7	87 U 826	CB-790†	1½	1.40	87 U 880	CB-1192†	1½	1.59	87 U 850	AC-406‡	½	1.46
x7	87 U 827	CB 791†	1½	1.45	87 U 881	CB-1193†	1½	1.67	87 U 851	AC-407‡	1	1.58
x7	87 U 828	CB-792†	1¾	1.57	87 U 882	CB-793†	1¾	2.05	87 U 852	AC-408‡	1¼	2.00
x7	87 U 829	CB-646†	2	1.54	87 U 883	CB-1194†	2	1.92	87 U 853	AC 409‡	¾	1.67
13½x5	87 U 207	CB-647†	2	1.77	87 U 320	CB-1198†	2	2.17				
x7	87 U 208	CB-649†	3	2.00	87 U 321	CB-1189†	2¾	2.40	87 U 340	AC-411**	1½	2.67
x8½	87 U 209	CB-665†	3½	2.24	87 U 322	CB-666†	3	2.71				
x4	87 U 210	CB-1068†	2¼	1.80	87 U 323	CB-1066†	2¼	2.14	87 U 341	AC-432**	1¼	2.33
17x7	87 U 211	CB-648†	3	1.99	87 U 324	CB-1199†	2¾	2.37				
x7	87 U 212	CB-757†	3½	2.15	87 U 325	CB-758†	3	2.59	87 U 342	AC-423**	1¾	2.75
10x8	87 U 213	CB-701†	2	1.72	87 U 326	CB-702†	2	2.02				
12x8	87 U 214	CB-703†	2½	1.75	87 U 327	CB-704†	2½	2.24				
x8	87 U 215	CB-759†	2½	1.85	87 U 328	CB-760†	2¾	2.34	87 U 907	AC-424**	1½	2.42
x8	87 U 217	CB-650†	3	1.70	87 U 329	CB-774†	3	2.34	87 U 345	AC-425**	1½	2.51
x8	87 U 220	CB-651†	3½	2.05	87 U 330	CB-775†	3½	2.62	87 U 257	AC-412**	1¾	2.84
x10	87 U 830	CB-652†	3	1 89	87 U 901	CB-1195†	3	2.25	87 U 854	AC-413**	1½	2.67
x10	87 U 831	CB-653†	4	2.04	87 U 902	CB-779†	4	2.44	87 U 908	AC-414**	1¾	2.84
x10	87 U 221	CB-654†	3¼	2.00	87 U 284	CB-769†	3	2.39	87 U 346	AC-415**	1¾	2.68
x10	87 U 222	CB-636†	3¾	2.00	87 U 331	CB-1196§	4¾	3.05	87 U 347	AC-416**	2	3.17
x10	87 U 223 X	CB-655§	5	2.54	87 U 206	CB-637†	4	2.84				
x10	87 U 225 X	CB-656§	5½	2.86	87 U 332 X	CB-1197§	6¼	3.42				
x11	87 U 227 X	CB-657§	4¾	2.35	87 U 333 X	CB-770§	4¾	2.81	87 U 258 X	AC-426††	2¼	3.42
x11	87 U 228 X	CB-658§	5¼	2.77	87 U 280 X	CB-771§	5¼	3.49	87 U 259 X	AC-417††	2½	3.97
x12	87 U 229 X	CB-663§	4¾	2.44	87 U 334 X	CB-661§	5	3.09				
x12	87 U 230 X	CB-664§	5½	2.91	87 U 281 X	CB-662§	5½	3.67	87 U 263 X	AC-418††	2¾	4.08
x13	87 U 231 X	CB-659§	5¼	2.91	87 U 282 X	CB-772§	5¼	3.72	87 U 348 X	AC-419††	2½	3.51
x13	87 U 232 X	CB-660§	6¼	3.41	87 U 283 X	CB-773§	6½	4.07	87 U 260 X	AC-420††	2¾	4.26
x10	87 U 233	CB-640§	5¾	2.92	87 U 335	CB-641§	6½	3.51	87 U 261	AC-427††	2¾	4.51
x13	87 U 234 X	CB-642§	7½	3.92	87 U 336 X	CB-643§	7¾	4.68	87 U 262 X	AC-428††	3¼	5.26
x10	87 U 235	CB-623§	7	4.51	87 U 337	CB-624§	6¾	5.34				
x13	87 U 236 X	CB-625§	7¾	4.93	87 U 338 X	CB-626§	7½	5.93				

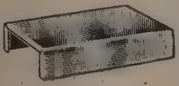
BOTTOM PLATES FOR CHASSIS BASES

m plates to fit the chassis bases listed above. Ideal for shielding. In lated or black ripple heavy-gauge steel plate and aluminum. Four raised bosses in corners to prevent marring and scratching of table-tops or shelves. Drilled for use with No. 6 self-tapping screws.

ze	Lbs.	Black Wrinkle			Zinc Plated			Aluminum			
		Stock No.	Type No.	EACH	Stock No.	Type No.	EACH	Stock No.	Type No.	Lbs.	EACH
"	½	87 U 654	BP-705	.57	87 U 674	BP-706	.69	87 U 694	BPA-1589	⅛	.74
½"	¾	87 U 655	BP-680	.62	87 U 675	BP-667	.75	87 U 695	BPA-1590	¼	.75
0"	¾	87 U 656	BP-536	.67	87 U 676	BP-538	.73	87 U 696	BPA-1591	¼	.75
"	1	87 U 657	BP-681	.92	87 U 677	BP-668	.97	87 U 697	BPA-1592	⅓	.77
"	1	87 U 658	BP-682	.94	87 U 678	BP-669	.99	87 U 698	BPA-1593	⅓	.80
1"	1	87 U 659	BP-683	.95	87 U 679	BP-670	1.07	87 U 699	BPA-1594	⅓	.90
2"	1¼	87 U 660	BP-537	.99	87 U 680	BP-539	1.12	87 U 700	BPA-1595	½	.97
3"	1¼	87 U 661	BP-684	1.02	87 U 681	BP-671	1.20	87 U 701	BPA-1596	½	1.14
3½"	1	87 U 662	BP-685	.84	87 U 682	BP-672	1.00				
7"	1⅓	87 U 663	BP-1069	.84	87 U 683	BP-1067	1.07				
7"	1⅓	87 U 664	BP-686	.90	87 U 684	BP-673	1.37				
0"	1¼	87 U 668	BP-707	.92	87 U 685	BP-708	1.05				
2"	1½	87 U 665	BP-709	1.06	87 U 686	BP-710	1.34				
7"	1¾	87 U 666	BP-687	.95	87 U 687	BP-674	1.54				
2"	1½	87 U 667	BP-688	.95	87 U 688	BP-675	1.57				
4"	1⅓	87 U 669	BP-517	1.25	87 U 689	BP-514	1.33				
7"	1¾	87 U 670	BP-689	1.20	87 U 690	BP-676	1.60	87 U 702	BPA-1597	¾	1.52
7"	1½	87 U 671	BP-690	1.20	87 U 691	BP-677	1.60				
7"	2	87 U 672	BP-691	1.27	87 U 692	BP-678	1.87				
7"	2¼	87 U 673	BP-692	1.47	87 U 693	BP-679	2.24	87 U 703	BPA-1598	¾	2.07

PEN-END ALUMINUM CHASSIS

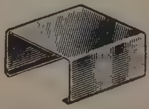
y-gauge. U-
d construc-
with ends
over ⅜". For
abinet, but
match Bud
sted in table,
Av. wt., 1½



No.	Type	H.W.D.	For	EACH
301	CB-30	1½x7x5"		.97
302	CB-41	1½x7x7"	C-973	1.24
304	CB-996	1½x9x5½"	C-993	1.09
305	CB-976	1½x9x7½"	C-999, CD-1481	1.40
307	CB-997	1½x11x7"	C-994, CD-1482	1.30
308	CB-998	1½x13x7"	C-995, CD-1483	1.59
300	CB-38	2x6x7"	C-1584	1.00
303	CB-39	2x8x7"	C-1585	1.17
306	CB-40	2x10x7"	C-1586	1.37

MINIATURE ALUMINUM CHASSIS

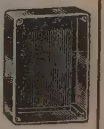
Open-end aluminum chassis for limited space applications. For any cabinet, but ideally match Bud units listed in table below. ¼" mounting flanges. Av. wt., ½ lb.



Stock No.	Type	H.W.D.	For	EA.
87 U 810	CB-1624	1x3⅛x1¾"	CU-883	42¢
87 U 816	CB-1617	1x3⅛x4"	C-1606	41¢
87 U 812	CB-1626	1x4⅛x2¾"	CU-728	45¢
87 U 817	CB-1618	1x4⅛x4"	C-1607	50¢
87 U 818	CB-1619	1x5⅛x4"	C-1608	53¢
87 U 819	CB-1620	1x6⅛x4"	C-1609	55¢
87 U 809	CB-1623	1¼x2¾x2⅝"		38¢
87 U 814	CB-1628	1¼x6⅛x3"	C-1788	53¢
87 U 813	CB-1627	1½x4⅛x3¾"	CU-729	45¢
87 U 815	CB-1629	1½x4⅞x5¾"	CU-1098	57¢
87 U 811	CB-1625	2x4½x3¼"	C-1788	48¢

PLASTIC CASES AND PANELS

Molded black plastic cases and panels designed for test instrument mounting. Sturdily constructed to protect components. Recessed bosses for flush mounting of covers. Drilled for ½" No. 6 self-tapping screws except *tapped for 4-36x½" screws. Walls and covers are ⅛" thick.



CASES

Stock No.	Size H.W.D.	Wt., Lbs.	EACH
87 U 895	*2⅞x4x1⁹⁄₁₆"	1	37¢
87 U 885	6¼x3¾x2"	1½	66¢
87 U 886	6¹³⁄₁₆x5⁹⁄₁₆x2⁵⁄₁₆"	2	84¢

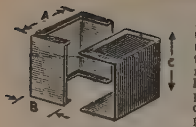
MATCHING COVERS

87 U 887	6x3½"	½	48¢
87 U 888	6½x5"	1	60¢

Following Page for More Listings of Bud Metal Products

Bud Metal Cabinets and Cases

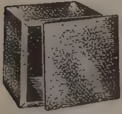
ALUMINUM MINIBOXES



Two-piece aluminum boxes with gray hammertone or natural aluminum finish. Particularly suited for sub-assemblies. May be used for amplifiers, converters, TVI filters, test units, etc. Two-piece construction permits easy access to circuitry. Flanges assure low RF leakage and high rigidity. Dual-purpose snap locks permit quick assembly and disassembly; also permit use with self-tapping screws (supplied).

Size AxCxB	Shpg. Wt., Lbs.	Gray Hammertone	Type CU-	EACH	Natural Aluminum	Type CU-	EACH
2¾x2⅛x1⅝"	¼	87 U 616	2100A	.74	87 U 634	3000A	.59
3¼x2⅛x1⅛"	¼	87 U 633	2117A	.78	87 U 651	3017A	.62
3¼x2⅛x1⅝"	¼	87 U 617	2101A	.76	87 U 635	3001A	.61
4x2x2¾"	¼	87 U 631	2115A	.92	87 U 649	3015A	.74
4x2⅛x1⅝"	¼	87 U 618	2102A	.80	87 U 636	3002A	.64
4x2¼x2¼"	¼	87 U 619	2103A	.90	87 U 637	3003A	.72
4¼x2¼x1½"	¼	87 U 632	2116A	.92	87 U 650	3016A	.74
5x2¼x2¼"	¼	87 U 620	2104A	.95	87 U 638	3004A	.76
5x4x3"	½	87 U 621	2105A	1.20	87 U 639	3005A	.96
5¼x3x2⅛"	¼	87 U 622	2106A	1.02	87 U 640	3006A	.82
6x5x4"	¾	87 U 623	2107A	1.50	87 U 641	3007A	1.20
7x5x3"	¾	87 U 624	2108A	1.65	87 U 642	3008A	1.32
8x6x3½"	1	87 U 625	2109A	2.10	87 U 643	3009A	1.68
10x2x1⅝"	½	87 U 629	2113A	1.20	87 U 647	3013A	.96
10x6x3½"	1¼	87 U 626	2110A	2.35	87 U 644	3010A	1.88
12x2½x2¼"	¾	87 U 630	2114A	1.55	87 U 648	3014A	1.24
12x7x4"	1¾	87 U 627	2111A	3.20	87 U 645	3011A	2.56
17x5x4"	2¼	87 U 628	2112A	3.20	87 U 646	3012A	2.56

UTILITY CABINETS

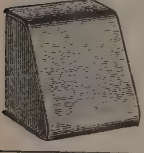


Metal utility cabinets for all types of electronic equipment. Excellent for housing receivers, monitors, VFO's, test equipment, frequency meters, transmitters, etc. Well adapted for shielding of high gain preamplifiers, RF sections, other special circuits. Two removable panels attach to flanges with self-tapping screws. *Gray.

Size, H.W.D.	Mfr's Type	Wt., Lbs.	Stock No. Black Steel	Stock No. Gray Steel	EACH
4x4x2"	CU883	¾	87 U 856	87 U 606	1.09
4x5x3"	CU728	⅞	87 U 857	87 U 607	1.22
6x5x4"	CU729	1¼	87 U 858	87 U 608	1.38
6x6x6"	CU1098	2½	87 U 859	87 U 609	2.09
9x6x5"	CU1099	3	87 U 860	87 U 610	2.34
10x8x7"	CU879	5	87 U 861	87 U 611	3.34
10x10x8"	CU880	5½	87 U 863	87 U 613	4.01
12x7x6"	CU1124	4	87 U 862	87 U 612	3.29
12x11x8"	CU881	6	87 U 864	87 U 614	4.34
15x9x7"	CU882	7½	87 U 865	87 U 615	4.51

Size, H.W.D.	Mfr's Type	Wt., Lbs.	Natural Aluminum	EACH	*Hammertone Aluminum	EACH
4x4x2"	AU-1083	¼	88 U 543	1.29	88 U 548	1.50
4x5x3"	AU-1028	¼	88 U 544	1.37	88 U 549	1.67
6x5x4"	AU-1029	½	88 U 545	1.50	88 U 550	1.84
6x6x6"	AU-1039	¾	88 U 546	2.17	88 U 551	2.42
9x6x5"	AU-1040	1	88 U 547	2.51	88 U 552	2.84

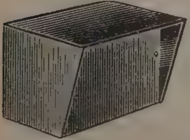
UNIVERSAL SLOPING-PANEL CABINETS



Versatile, streamlined sloping-panel cabinets available in steel or aluminum. Offer enough space to house a two or three-miniature-tube amplifier or gadget. Sides and one-piece detachable back fasten to the body with self-tapping screws for easy service and replacement of components. Fully enclosed to exclude dust and moisture. Easily accommodate most small chassis. All units are 4" high, 4¼" deep. Finished in attractive gray hammertone.

Width	Steel Stock No.	Type C-	Shpg. Wt., Lbs.	EA.	Aluminum Stock No.	Type AC-	Shpg. Wt., Lbs.	EA.
4"	88 U 642	1606	¾	1.45	88 U 646	1610	½	1.68
5"	88 U 643	1607	¾	1.55	88 U 647	1611	½	1.75
6"	88 U 644	1608	1⅛	1.65	88 U 648	1612	¾	1.90
7"	88 U 645	1609	1⅛	1.90	88 U 649	1613	¾	2.10

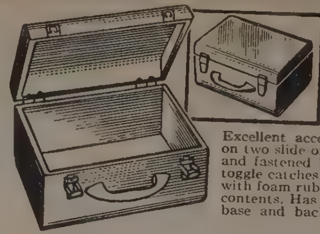
ALUMINUM COWL-TYPE MINIBOXES



Bud's cowl-type miniboxes. Attractively styled; easily drilled or punched. Have projecting cover which reduces glare on the panel from overhead lighting. Also provide protection for knobs, switches, and meter faces. May be used for housing receivers, transmitters, test equipment, etc. Cover has two ½" box braces to which bottom is attached with #6 sheet metal screws provided. This construction results in a sturdy, rigid housing. All are made of long-lasting, 18-gauge aluminum. Choice of handsome, gray hammertone finish or natural aluminum.

Size H.W.D.	Shpg. Wt., Lbs.	Gray Hammertone	Type SC-	EACH	Natural Aluminum	Type SC-	EACH
6x10x7"	2	88 U 684	2130	5.95	88 U 688	3030	4.30
7x12x8"	2¾	88 U 685	2131	6.50	88 U 689	3031	4.70
3x8x6"	1	88 U 686	2132	3.45	88 U 690	3032	2.45
5x5x5"	1	88 U 687	2133	3.60	88 U 691	3033	2.60

"TRANSICASE" PORTABLE INSTRUMENT CASE

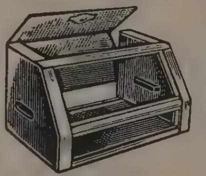


Impressive-l
portable ins
case. Fine
types of ele
or electronic
Made of .040
aluminum wit
fitting alu
panel and
contoured
Excellent accessibility—lid is m
on two slide off chromium-plated
and fastened by chromium-plate
toggle catches. Inside of lid is cu
with foam rubber for extra prote
contents. Has small rubber feet
base and back; chrome-plated

SPECIFY SMOOTH BLUE OR GRAY ENAMEL FINISH

Stock No.	Mfr's Type	Size H.W.D.	Wt., Lbs.	E
87 U 584 C	TC-300	6x10x7"	2¾	2
87 U 586 C	TC-301	6x11½x8¼"	4	2
87 U 588 C	TC-302	7½x13x9"	6	2
87 U 589 C	TC-303	7½x16x9"	5	2
87 U 590 CX	TC-304	9x20x8"	6½	2

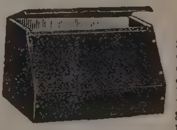
"PRESTIGE" SLOPING-PANEL CABINETS



Attractive cabinets designed to
custom housings for quality app
Have swept-back top panels for eas
ing. Panel trim bars remove to per
stallation or removal of panels tha
attached chassis. Ventilated tops
completely. Recessed handle slots f
easy lifting. Openings in rear for ca
controls. May be mounted in stand
rack panels. Finished in handsom
hammertone. Rear opening measur
18". Panel recess, 1¼". Top dep
Overall width is 22". 3½" vertical
height. *Inclined panel height.

Stock No.	Mfr's Type	HxD	*Panel Space	Wt., Lbs.	E
88 U 573 U	C-1555	11⅞x14⅜"	7"	26	3
88 U 574 U	C-1556	13¼x15⅛"	8¾"	28	3
88 U 575 U	C-1557	14¾x16⅛"	10½"	31	4

SLOPING-PANEL CABINETS

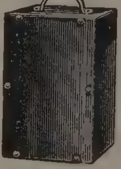


Sloping-panel steel cabinets with hing
for easy access to tubes and top-of-
components. Removable front panel p
easy attachment of chassis. Fit followin
chassis: Type C-1584, 7x6x2"; Type C
7x8x2"; Type 1586, 7x10x2"; Type C
7x7x2"; Type C-1588, 7x9x2"; Type C
8x12x2½"; Type C-1893, 10x17x3"; Ty
1894, 7x13x2"; Type C-1896, 7x17x3".

SPECIFY BLACK WRINKLE OR LIGHT GRAY HAMMERTONE

Stock No.	Mfr's Type	Size H.W.D.	Wt., Lbs.	E
87 U 466 C	C-1584	6½x7¹⁄₁₆x7⁷⁄₃₂"	2½	3
87 U 467 C	C-1585	6½x9¹⁄₁₆x7⁷⁄₃₂"	3	3
87 U 468 C	C-1586	6½x11¹⁄₁₆x7⁷⁄₃₂"	3½	4
87 U 469 C	C-1892	8x13¹⁄₁₆x8¹³⁄₃₂"	5¼	5
87 U 470 CX	C-1893	10x18¹⁄₁₆x10¹³⁄₃₂"	12¾	7
87 U 471 C	C-1587	8x8¹⁄₁₆x7¹⁵⁄₁₆"	2¾	4
87 U 472 C	C-1588	8x10¹⁄₁₆x7¹⁵⁄₁₆"	3¼	5
87 U 474 C	C-1894	8x14¹⁄₁₆x7¹⁵⁄₁₆"	6¼	5
87 U 475 CX	C-1896	9x18¹⁄₁₆x8¹⁄₁₆"	6¼	7

ALUMINUM AND STEEL CARRYING CAS



Ideal housings for portable transceivers, test i
ments, power supplies, radio-control units, field str
meters, phono oscillators, etc. Ruggedly construc
withstand hard usage. Front and back panels
with self-tapping screws. Panels are easily remova
provide access to interior; can be used for mou
components such as meters, relays, transformers,
resistors, etc. Available in either welded steel for
imum strength, or in aluminum for light weight.
units in black wrinkle or gray hammertone f
aluminum units in natural, or gray hammertone f

PORTABLE STEEL CASES

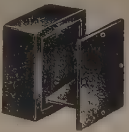
Size H.W.D.	Mfr's Type	Wt., Lbs.	Stock No. Black	Stock No. Gray	EA
9x6x5"	CC-1095	3¼	87 U 838	87 U 842	3.
6x9x5"	CC-1091	3¼	87 U 839	87 U 843	3.
12x7x6"	CC-1096	4	87 U 840	87 U 844	4.
7x12x6"	CC-1092	4	87 U 841	87 U 845	4.
15x7¾x7"	CC-1097	7¾	87 U 247	87 U 250	4.
10x10x8"	CC-1100	7¼	87 U 248	87 U 251	4.
9x15x7"	CC-1093	8¼	87 U 249	87 U 252	5.

PORTABLE ALUMINUM CASES

Size H.W.D.	Mfr's Type	Wt., Lbs.	Stock No. Natural	EACH	Stock No. Gray	EA
9x6x5"	ACC-2095	1⅛	88 U 567	3.09	88 U 571	3.
6x9x5"	ACC-2091	1⅛	88 U 565	3.09	88 U 569	3.
12x7x6"	ACC-2096	2¾	88 U 568	4.50	88 U 572	5.
7x12x6"	ACC-2092	2½	88 U 566	4.50	88 U 570	5.

Bud Metal Cabinets, Panels, Racks, Handles

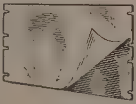
MINIATURE UTILITY CABINETS WITH ATTACHED CHASSIS



ly-made, unusually ct, steel utility cab- ith a built-in chas- ached to the front Especially suitable nding-wave bridg- equency meters, transistorized re- , code practice os- s, decade boxes. sets, and many ypes of small, self-contained units. Re- le front and rear panels fastened with pping screws permit easy access to com- s. 22-ga. body; 20-ga. panel; 18-ga. . Black-wrinkle enamel finish.

	Mfr's Type	Cabinet H.W.D.	Chassis H.W.D.	Wt., Lbs.	EACH
00	C-1793	4x4x2"	1x3⅛x1⅞"	¾	1.34
01	C-1794	4x5x3"	1x4⅛x2⅞"	1	1.48
02	C-1795	5x4x3"	1¼x3⅛x2⅞"	1	1.62
03	C-1796	6x5x4"	1¾x4⅛x3⅞"	1¾	1.70
04	C-1797	5x6x4"	1¼x5⅛x3⅞"	1¾	1.92
05	C-1798	6x6x6"	1¾x4⅞x5⅞"	2¾	2.17

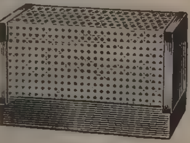
ELDED-SURFACE RACK PANELS



ally bright alumi- lloy, covered on ides with protec- pressure-sensitive paper. Blemish- nill finish. ⅛" 19" wide. Stan- notching.

ock lo.	Mfr's Type	Ht.	Wt., Lbs.	EACH
662 X	SFA-1831	1¾"	½	.97
663 X	SFA-1832	3½"	1	1.34
664 X	SFA-1833	5¼"	1¼	1.80
665 X	SFA-1834	7"	1¾	2.21
666 X	SFA-1835	8¾"	2	2.66
667 X	SFA-1836	10½"	2½	3.34
668 X	SFA-1837	12¼"	3	3.85
669 X	SFA-1838	14"	3½	4.45
670 X	SFA-1839	15¾"	3¾	4.97
671 X	SFA-1840	17½"	4	5.47
672 X	SFA-1841	19¼"	4½	5.99
673 X	SFA-1842	21"	5	6.50

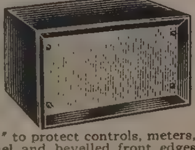
STANDARD AMPLIFIER FOUNDATIONS



for most er require- Founda- consist of ar steel with met- ers. Solid are used ls of each or bracing snug fit to s. Heavy- metal screening assures proper protec- nd ventilation of components. Metal s provide portability. Types CA-699, 25, and CA-1126 have 2½" high chassis; CA-1128 has 3" high chassis. Cover, ends, assis are 20-ga. steel. Black wrinkle finish.

No.	Type	H.W.D.	Lbs.	EACH
244	CA-699	8$\frac{5}{16}$x9⅝x5⅛"	4	5.61
245	CA-1125	8$\frac{5}{16}$x13⅝x5⅛"	4¾	6.43
246	CA-1126	8$\frac{5}{16}$x17⅛x7⅛"	6½	7.26
242	CA-1128	8$\frac{13}{16}$x12⅛x10⅛"	6¾	7.52

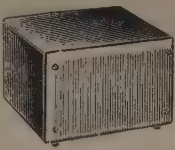
SHADOW CABINETS



le hous- ampli- st equip- etc. Both panels as the bot- ay be re- for in- on and ng pur- Front s recessed 1" to protect controls, meters, ecessed panel and bevelled front edges binet provide attractive appearance. constructed of 18-gauge steel, panels of ge steel. Rubber feet attached to bottom net prevent marring of the surface on it may be placed. Finished in attractive, ray hammertone.

ck o.	Type SB-	Size H.W.D.	Use Bud Chassis	Wt., Lbs.	EACH
53	2140	8x14½x10"	AC-424	11¼	6.50
54	2141	7½x13¼x9"	AC-407	9½	5.00
55 X	2142	9½x17x11"	CB-666	16	8.85
56	2143	6x15½x9"	AC-409	9¾	4.85

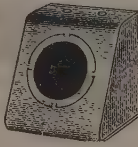
UTILITY CABINETS



Attractive housing with rounded corners. All constructed of 20 gauge steel. Front and rear panels removable; rear panel louvered for ventilation. 4 rubber feet. Body finished in dark gray enamel, panels in light gray enamel.

Stock No.	Mfr's Type	Size H.W.D.	Wt., Lbs.	EACH
88 U 692	CU-463	4$\frac{7}{32}$x6$\frac{7}{32}$x3¾"	1¾	5.50
88 U 693	CU-465	4$\frac{7}{32}$x6$\frac{7}{32}$x5¾"	2¼	6.35
88 U 694	CU-585	5$\frac{7}{32}$x8$\frac{7}{32}$x5¾"	3	8.35
88 U 695	CU-587	5$\frac{7}{32}$x8$\frac{7}{32}$x7¾"	3¾	9.10
88 U 696	CU-7125	7$\frac{7}{32}$x12$\frac{7}{32}$x5¾"	5	9.70
88 U 697	CU-7127	7$\frac{7}{32}$x12$\frac{7}{32}$x7¾"	6	10.35

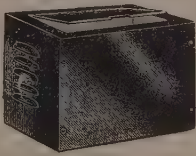
UNIVERSAL METER CASES



For use with 2" or 3" meters. With front panel for 2" meter. Knockout ring enlarges hole for a 3" meter. Have one-piece back and side attached with 4 screws. Top has two ⅜" knockouts for terminal posts or feed-throughs. Steel or aluminum; gray Hammertone 4½x4x4".

Stock No.	Type	Material	Lbs.	EA.
88 U 541	CM 1935	Steel	1	1.22
88 U 542	CMA 1936	Aluminum	¾	1.47

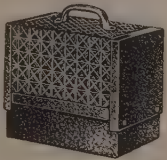
INSTRUMENT AND RECEIVER CABINETS



Ruggedly constructed steel cabinets. Have recessed hinged cover for easy access. Front panel is held securely in place with self-tapping screws. Panel extends full width of cabinet—provides maximum space. Louvers for ventilation. 20-ga. body; 18-ga. panel, except *16-ga. Black wrinkle finish.

Stock No.	Type	H.W.D.	Lbs.	EA.
87 U 652	C-973	7x8x8"	8	4.18
87 U 653	C-993	7x10x8"	8	4.84
87 U 200	C-994	7x12x8"	6	5.01
87 U 201	C-995	7x14x8"	7¼	5.26
87 U 202	*C-1190	8x16x8"	9¼	7.60
87 U 203 X	*C-975	9x15x11"	13	9.19
87 U 205 X	*C-999	12x18x12"	17½	9.92

MINIATURE AMPLIFIER FOUNDATION



Type CA-1754. Meets the requirements of builders employing miniaturized components. Chassis is only 2" high, 7" wide, and 5" deep. With cover fastened in place, entire unit stands only 6" high! All-steel construction. Removable cover includes a carrying handle. Cover is heavily perforated. All-steel construction—20-ga. cover; 22-ga. chassis. Black wrinkle finish. 1½ lbs.

87 U 866 .... 4.00

STANDARD RACK PANELS

Heavy-duty rack panel constructed of ⅛" aluminum. All are 19" in width and have notched edges to fit mounting standard telephone type relay racks. **Specify black or gray wrinkle, smooth gray or gray hammertone.**

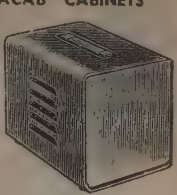
Stock No.	Height	Wt., Lbs.	EACH
87 U 408 CX	1¾"	½	1.09
87 U 409 CX	3½"	1	1.42
87 U 410 CX	5¼"	1¼	1.92
87 U 411 CX	7"	1¾	2.42
87 U 417 CX	8¾"	2	2.82
87 U 418 CX	10½"	2½	3.59
87 U 419 CX	12¼"	3	4.09
87 U 420 CX	14"	3¼	4.76
87 U 421 CX	15¾	4	5.34
87 U 422 CX	17½"	4	5.85
87 U 423 CX	19¼"	4¼	6.43
87 U 424 CX	21"	5	7.01

"PORTACAB" CABINETS

One Piece Aluminum Construction

Flexible Recessed Handles for Stacking

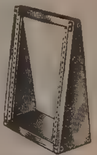
Well-Louvered for Good Ventilation



Recommended as housings for instrumentation requiring highly stylized appearance. The body is one-piece .050" aluminum with contoured corners. Panel is .062" aluminum. Flexible recessed handle permits easy portability as well as vertical stacking. Louvers point inward permitting side-to-side placement without loss of space. Welded back has opening. Four detachable rubber feet are provided. Finished in gray hammertone.

Stock No.	Type WA-	Size H.W.D.	Use Bud Chassis	Wt., Lbs.	EACH
88 U 227	1540	8x6⅛x8"	AC-402	2½	9.20
88 U 226	1541	9x8⅛x12"	AC-407	4	12.00
88 U 228	1542	8x10⅛x8"	AC-406	3	10.65
88 U 229 X	1543	11x11⅛x18"	AC-416	6½	13.50
88 U 233 X	1544	12x14⅛x18"	AC-420	8	15.50

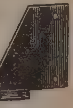
DESK-TYPE RACKS



A strong, steel chassis ideal for mounting heavy components. Perfect for table mounting of low and medium power transmitters, P.A. systems, and other electronic equipment. Designed for use with standard 19" panels. No exposed edges. With hardware. Gray hammertone finish.

Stock No.	Mfr's Type	Panel Ht.	Overall Size	Wt., Lbs.	EACH
87U 309 U	RR-1248	21"	24x20⅜x12"	14½	9.10
87U 311 U	RR-1249	28"	31x20⅛x12"	17¼	11.19

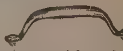
CHASSIS MOUNTING BRACKETS



An excellent accessory for adapting racks and cabinets to specific needs. A rugged, top-quality bracket formed from 16-gauge steel. Cut away at the bottom to provide clearance for a chassis 3" high except *4" high. Finished in black enamel. Slotted holes for easy adjustment. Av. wt., 5 lbs.

Stock No.	Type	Ht.	Depth	Per Pair
87 U 868	MB-458	6½"	8"	1.09
87 U 869	MB-448	6½"	10"	1.35
87 U 867	MB-459	6½"	11"	1.50
87 U 870	MB-449	6½"	12"	1.75
87 U 873	MB-460	6½"	13"	1.69
87 U 871	MB-450	*8½"	10"	1.97
87 U 872	MB-451	*8½"	13"	2.09

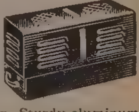
UTILITY HANDLES



Strong handles with comfortable grip. Ideal for mounting on cabinets to afford portability. Made of tubular aluminum with etched finish. Shpg. wt., 2 oz. In pairs only.

Stock No.	Type	Lgth.	Mtg. Ctr.	PAIR
87 U 893	UH-70A	5⅛"	4⅝"	72¢
87 U 894	UH-71A	3¾"	3¼"	60¢

STREAMLINED FOUNDATIONS



Deluxe foundation units for use where an especially neat, pleasing appearance is required. Ideal for all types of electronic equipment. Each unit consists of a removable top cover mounted on a chassis. Covers have louvered sides for proper ventilation. Sturdy aluminum handles are fitted to each end of chassis. All chassis are 3" high.

SPECIFY BLACK OR GRAY WRINKLE

Stock No.	Type CA-	Size H. W. D.	Wt., Lbs.	EA.
87 U 476 C	1750	9x10$\frac{1}{16}$x5"	4¾	6.76
87 U 477 C	1751	9x12$\frac{1}{16}$x7	6	8.02
87 U 478 C	1752	9x17$\frac{1}{16}$x7"	7¾	8 52
87 U 479 C	1753	9x17$\frac{1}{16}$x10"	9¼	9.27

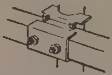
ALLIED'S Own Knight® Fringe Area VHF TV Antennas—Best Buys Anywhere

SPECIALLY DESIGNED FOR SHARPEST, CLEAREST, TRUEST COLOR TV RECEPTION EVER

DESIGNED FOR
COLOR &
BLACK & WHITE

Today's color TV sets are better than ever. But in most areas, you'll never see color TV at its best unless you install a proper antenna. Knight antennas are specially designed for optimum pull-in power—bring you truest color reception you've ever seen—in any area. And they work wonders for black and white sets, too!

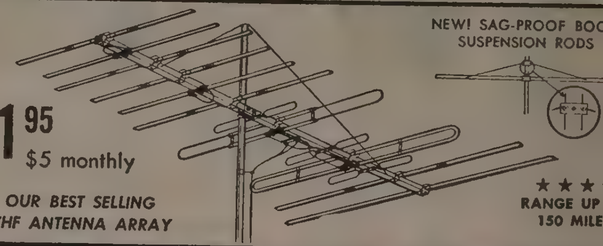
"NO-TILT" SADDLE BRACKET



Assures you of perfect horizontal beam alignment and easy, no-tilt installation. All antennas come preassembled. No critical aligning or fitting to do—it's already been done for you!

POWERFUL "DUO-TWIN" DRIVE

Two half-wave dipoles are twin-driven on channels 2-6, two 3-element colinear dipoles are twin-driven on channels 7-13. Equals six half-wave driven elements!



$21 95
$5 monthly

OUR BEST SELLING VHF ANTENNA ARRAY

NEW! SAG-PROOF BOO
SUSPENSION RODS

★ ★ ★
RANGE UP
150 MILE

4-STAR HEAVY-DUTY DEEP-FRINGE ANTENNA

DESIGNED F
COLOR
BLACK & WH

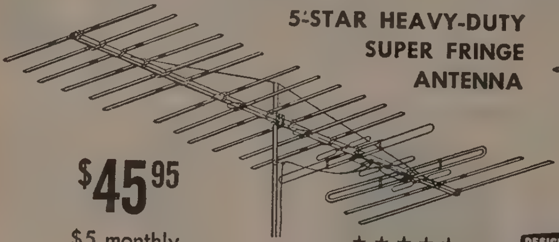
- 26 Elements Spaced on 7′9″ Boom
- New Suspension Rods Prevent Boom Sag
- Gold Corodizing Guards Against Rust
- Superb for Color and Black & White

Allied's most popular high-gain twin-driven VHF antenna surpasses performance of many higher priced arrays. Provides superior reception in color or black-and-white. 21 elements for channels 7-13, and 5 elements for 2-6 assure extremely high sensitivity and directivity. Sharpens picture, helps prevent "ghosts." Rugged all-aluminum construction withstands strong winds, storms, heavy icing. Gold-corodized finish offers amazing resistance to weather corrosion, and lengthens antenna's life. Since corodizing acts as a conductor, it needn't be removed at contact points (unlike anodizing which acts as an insulator). Corodizing does not obstruct, but enhances current flow—another "plus" for fringe-area reception. Improved sag-proof suspension system features heavy-duty 1-inch-square boom with sturdy bracin
that increase overall boom strength by 8
"Snap-out" construction makes assemb
prisingly simple—just swing the elemen
place, then tighten. "No-tilt" saddle b
assures perfect horizontal mounting of
Heavily reinforced sleeve elements give
protection against effects of high winds.
mum width when open, 9′. Less mast an
ohm twin line. 8½ lbs. Shipped tru
express.
91 U 331 ZW. *$5 Monthly*..............2

NONCORODIZED ANTENNA

As above, but not gold corodized. Shpg
8½ lbs. Shipped truck or express.
91 U 332 ZW.............................1

5-STAR HEAVY-DUTY SUPER FRINGE ANTENNA

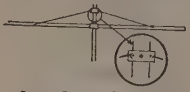


$45 95
$5 monthly

★ ★ ★ ★ ★
RANGE UP TO 200 MILES

DESIGNED FOR
COLOR &
BLACK & WHITE

CHECK THESE DELUXE FEATURES:



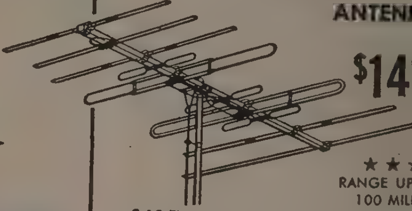
Boom Suspension Rods for 8 Times More Support

TRIPLE-TAPER ELEMENTS
1. Triple at Stress Ends
2. Double at Center
3. Single at Ends

- 40 Elements and "Duo-Twin Drive" for Remarkably Increased Gain
- For Color or Black-and-White TV
- Split Boom—13′ Long and 1″ Square
- Gold-Corodized for Much Longer Life
- Reinforced with Triple U-Bolt Saddles

Even in deepest fringe areas, you can receive high-quality pictures with this super-powered 40-element antenna. 33 elements for channels 7-13, and 7 for 2-6 provide outstanding gain. "Duo-Twin Drive" gives performance equal to that of SIX half-wave driven elements. And, here's why it resists high winds, icing, and storms: split boom reinforced with triple U-bolt saddles; tough "no-tilt" bracket; suspension rods for 8 times ordinary support; triple-tapered elements with 3-wall thickness at bracket end. Gold-corodized. Maximum width when open, 9′. Less mast and 300-ohm twin line. 15½ lbs. Shipped truck or express.
92 U 267 ZW. *$5 Monthly*..45.95

3-STAR FRINGE-AREA ANTEN



$14

★ ★ ★
RANGE UP
100 MIL

- 19 Elements—15 on High Band, 4 on Lo for "Pull-In" Power
- Excellent for Color or Black-and-White
- Extra Heavy Duty Construction
- 5′ 10″ Boom Won't Tilt

Enjoy superior fringe-area reception with
broadband antenna. Multiple directors
dual reflectors provide high front-to-
ratio, increased sensitivity, extra-sharp
rectivity on channels 2-13. All elements
boom are gold corodized to resist corro
"No-tilt" saddle bracket. One-inch-sq
boom for maximum strength against h
icing, strong winds. Maximum width w
open, 9′. Less mast, 300-ohm twin line. 7
Shipped truck or express.
91 U 333 UW..........................14.

91 U 334 UW. Noncorodized Antenna. San
above, but noncorodized. 7 lbs..........1

3, 4 AND 5-STAR STACKING KIT

91 U 335 XW. Gold-Corodized Typ
For 2 corodized antennas. ¼ lb...1.4

91 U 336 XW. Noncorodized Type. For
noncorodized antennas. ¼ lb......1.1

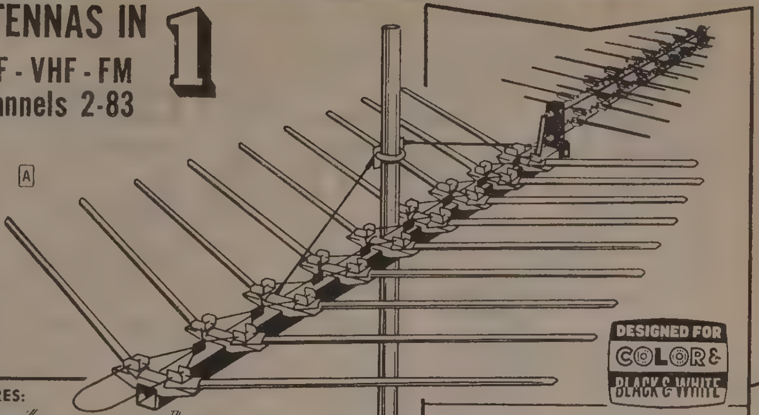
Knight 82-Channel TV-FM Antennas Are the Best Ever—Now at Reduced Prices

3 ANTENNAS IN 1

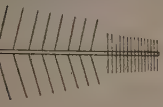
UHF - VHF - FM
Channels 2-83

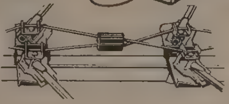
MARK-24
$\$31^{95}$
$5 monthly

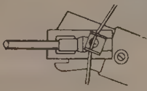
VHF to 175 Miles
UHF to 85 Miles
FM to 90 Miles



OUTSTANDING FEATURES:


arply directive "Swept rward" design for more nsitive pickup. Multiple ive elements provide in-eased gain.


Continuous one-piece drive line and hi-impact cross-over spacers. Provide years of trouble-free service.


Top view of one element locking into position above bracket. Perfect alignment and phasing is always "a snap."

Knight MARK Series Deluxe TV-FM Antennas

- One Antenna, Serves All Needs
- Get Sharp, Clear, True Color
- For Top Stereo FM Reception
- Channels 2-83, 88-108 Mc FM
- Easy to Install, Just One Down Lead
- Protective Gold Corodized Finish

A KNIGHT "MARK-24" DEEP-FRINGE ANTENNA

stall one antenna, not three! Save dollars, cut installation time, avoid annoying sters on the roof. Has 24 driven elements—even in problem areas you get high gain d flat response for superb FM; sharp, clear, true color and black-and-white recep-n on VHF channels 2-13, UHF channels 14-83. Protected by a gold-corodized finish. acing supports 1″ square 11′3″ long boom. Snap-lock brackets, drive lines, solid-rod IF elements of spring-temper aluminum. Reinforced-sleeve VHF elements. Pre-embled. Maximum width when open, 9′. Less mast, lead-in (tubular type recom-nded). See optional Splitter/Coupler, below. Shpg. wt., 11 lbs. Shipped by ck or express.

U 325 ZW. *$5 Monthly*..31.95

B KNIGHT "MARK-18" NEAR-FRINGE ANTENNA

nilar to above, but 18 driven elements—7 on VHF/FM, 11 on UHF. Has 1″ are 8′4″ boom. Maximum width open, 7′5½″. 8 lbs. Truck or express.

U 338 ZW. *$5 Monthly*..23.95

C KNIGHT "MARK-12" FRINGE ANTENNA

nilar to above, but 12 driven elements. Has 1″ square heavy-duty 5′9″ boom. ximum width open, 7′5½″. 5¾ lbs. Truck or express.

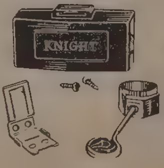
U 339 ZW...16.95

D NEW! KNIGHT "MARK-10" METROPOLITAN ANTENNA

nilar to above, but 10 driven elements. Has 1″ square boom, 2′6″ long. Maximum ith when open, 7′. Shpg. wt., 4 lbs.

U 111 XW..9.95

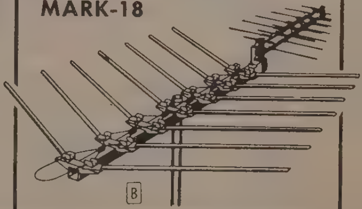
KNIGHT VHF-UHF-FM SPLITTER/COUPLER $\$4^{29}$



Get maximum performance from Knight or other VHF-UHF-FM antenna using single down lead. "Splits" signal from antenna to permit running 3 independent leads to receiver terminals—UHF and VHF TV, and FM. Conjugate filter network gives good isolation and negligible signal loss. Supplied complete with instructions and hardware for mounting at back of receiver or on antenna mast. Shpg. wt., 5 oz.

91 U 340..............................4.29

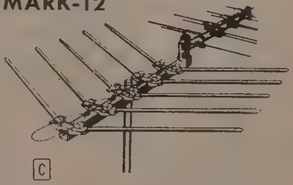
MARK-18



$\$23^{95}$
$5 monthly

VHF to 150 Miles
UHF to 80 Miles
FM to 90 Miles

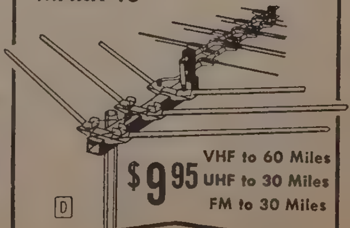
MARK-12



$\$16^{95}$

VHF to 125 Miles
UHF to 65 Miles
FM to 75 Miles

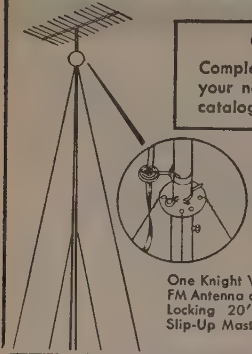
MARK-10



$\$9^{95}$

VHF to 60 Miles
UHF to 30 Miles
FM to 30 Miles

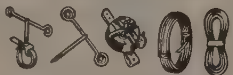
KNIGHT Save on Selected TV Antenna Outfit



COMPLETE ANTENNA OUTFITS SAVE YOU MONEY

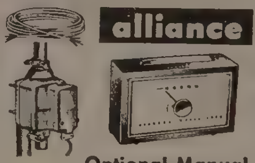
Complete kits—nothing extra to buy. Available in 3 different combinations to suit your needs. Save money, too—complete kit prices are LESS than the total catalog prices of individual components purchased separately.

Complete Antenna Kit Less Rotator Package



One Knight VHF-UHF-FM Antenna and Easy-Locking 20′ or 40′ Slip-Up Mast

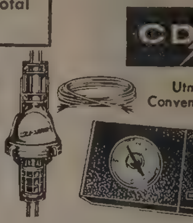
All-Angle Mount; Guy and Ground Wire; Twin Line; Arrestor; Hardware; Instructions



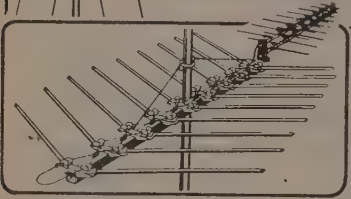
Optional Manual Rotator Package

T-45 Rotor, Plus All Hardware

Optional Au matic Rotat Package



AR-22R Automatic Rot
Plus All Needed Hardw



OUTFITS WITH 82-CHANNEL KNIGHT MARK ANTENN

Deluxe outfits featuring Allied's 82-channel antennas that do the job of three sep antennas for complete TV-FM coverage. Receive all VHF and UHF television c nels, plus FM. Fine for both color as well as black-and-white TV. (Full descripti antennas on page 453). Kits include 20 or 40-ft. mast (station distance detern which antenna model to use; local terrain determines mast height); all-angle mo guy wire; 100-ft. tubular twin line; lightning arrestor; hardware. Less splitter. tional Alliance T-45 manual and Cornell-Dubilier AR-22R automatic rotors re 110-120 v., 60 cycle AC. Let you "aim" your antenna.) Shipped truck or exp

"MARK 24" COMPLETE 82-CHANNEL TV-FM ANTENNA OUTFITS

Range: Up to 175 Miles for VHF—Up to 85 Miles for UHF—Up to 90 Miles for FM

Description	LESS ROTOR			WITH MANUAL ROTOR			WITH AUTOMATIC ROTO		
	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EA
Kit with 20-ft. Mast	23 U 426 AL3ZW	37	42.95	23 U 432 AL4ZW	68	69.95	23 U 438 AL4ZW	66	79.
Kit with 40-ft. Mast	23 U 510 AL3ZW	62	52.95	23 U 433 AL4ZW	85	79.95	23 U 439 AL4ZW	83	89.

"MARK 18" COMPLETE 82-CHANNEL TV-FM ANTENNA OUTFITS

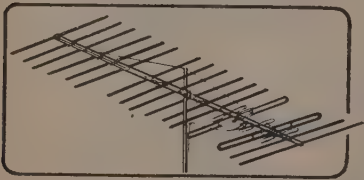
Range: Up to 150 Miles for VHF—Up to 80 Miles for UHF—Up to 90 Miles for FM

Kit with 20-ft. Mast	23 U 519 AL3ZW	34	34.95	23 U 434 AL4ZW	65	61.95	23 U 440 AL4ZW	63	71.
Kit with 40-ft. Mast	23 U 520 AL3ZW	59	42.95	23 U 523 AL4ZW	82	69.95	23 U 441 AL4ZW	80	79.

"MARK 12" COMPLETE 82-CHANNEL TV-FM ANTENNA OUTFITS

Range: Up to 125 Miles for VHF—Up to 65 Miles for UHF—Up to 75 Miles for FM

Kit with 20-ft. Mast	23 U 521 AL3ZW	42	28.95	23 U 524 AL4ZW	63	55.95	23 U 442 AL4ZW	80	65.
Kit with 40-ft. Mast	23 U 522 AL3ZW	57	36.95	23 U 437 AL4ZW	80	63.95	23 U 443 AL4ZW	61	73.



COMPLETE OUTFITS WITH FRINGE-AREA VHF ANTENN

Feature Knight's famous VHF corodized fringe-area antennas (described fully page 452) for excellent reception of color as well as black-and-white programmin all VHF channels. Kits are available with your choice of 20 or 40-ft. steel slip-up ma Distance between station and your set determines which antenna model to use; l terrain determines mast height. Complete kit also includes: all-angle mount; guy w ground rod; 100 ft. of twin line; 50 ft. of ground wire; twin-line arrestor and hardw (Optional Alliance T-45 manual and Cornell-Dubilier AR-22R automatic rotors req 110-120 v., 60 cycle AC. Let you "aim" your antenna for clearest TV reception. set the pointer, the rotor does the rest.) Shipped truck or express.

"5-STAR" COMPLETE SUPER-FRINGE TV ANTENNA OUTFITS (Up to 200-Mile Range)

Description	LESS ROTOR			WITH MANUAL ROTOR			WITH AUTOMATIC ROTOR		
	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EAC
Kit with 20-ft. Mast	23 U 444 AL3ZW	40	54.95	23 U 450 AL4ZW	73	81.95	23 U 456 AL4ZW	71	91.9
Kit with 40-ft. Mast	23 U 445 AL3ZW	65	64.95	23 U 451 AL4ZW	90	91.95	23 U 457 AL4ZW	88	99.9

"4-STAR" COMPLETE DEEP-FRINGE TV ANTENNA OUTFITS (Up to 150-Mile Range)

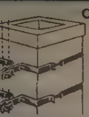
Kit with 20-ft. Mast	23 U 446 AL3ZW	33	31.95	23 U 452 AL4ZW	66	58.95	23 U 458 AL4ZW	64	68.9
Kit with 40-ft. Mast	23 U 447 AL3ZW	58	41.95	23 U 453 AL4ZW	79	68.95	23 U 459 AL4ZW	81	78.9

"3-STAR" COMPLETE FRINGE-AREA TV ANTENNA OUTFITS (Up to 100-Mile Range)

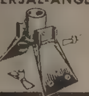
Kit with 20-ft. Mast	23 U 448 AL3ZW	31	25.95	23 U 454 AL4ZW	64	52.95	23 U 460 AL4ZW	62	62.9
Kit with 40-ft. Mast	23 U 449 AL3ZW	56	34.95	23 U 455 AL4ZW	81	61.95	23 U 461 AL4ZW	79	71.9

NOTE Antennas and antenna kits that have a Stock No., ending with the letter "W" are shipped separately from any other items on your order, from our warehouse in Maywood, Illinois.

KNIGHT Metropolitan VHF and UHF Antennas

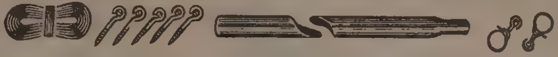


CHOICE OF KITS TO INCLUDE CHIMNEY MOUNT



OR UNIVERSAL-ANGLE
ROOF
MOUNT

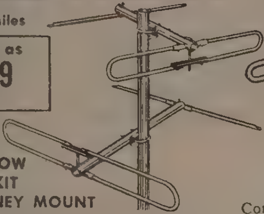
ANTENNA KITS INCLUDE THESE ACCESSORIES



Metropolitan TV viewers: Take advantage of these exclusive Knight complete VHF antenna outfit offers, save time and money. Each outfit contains all the installation accessories you need, plus your choice of mount for chimney or roof. So fast and easy to order—and to install. You get: 5 screw-in standoffs, 2 mast standoffs, rugged steel mast (5 ft. for in-line and high-low antennas, 10-ft. for conicals), 1 lightning arrestor and 1—50′ coil of twin lead.

Up to 40 Miles

as low as $5⁴⁹



F HIGH-LOW
ITENNA KIT
TH CHIMNEY MOUNT

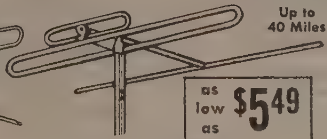
two-band VHF antenna kit priced re-
rkably low. Separate elements permit
ming" high band (channels 7-13) and
band (2-6) elements individually. Gives
k performance in areas where high and
-band signals come from different direc-
ns. Provides excellent reception of color
black and white programs. Elements
of aluminum tubing. Connecting loop
plied assures correct impedance match
maximum signal gain. Includes acces-
ies described above, a 5-ft. mast, and
mney mount. Wt., 6½ lbs.

U 057 XW........................6.29

U 059 XW. Above, but with universal-
le roof mount. 7½ lbs...............5.49

U 061 XW. Antenna Alone. 3½ lbs. 3.19

Up to 40 Miles



as low as $5⁴⁹

VHF IN-LINE ANTENNA KIT WITH CHIMNEY MOUNT

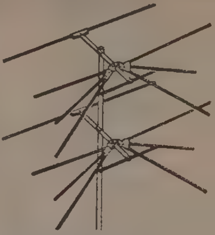
Complete VHF antenna kit at a low, money-saving price. Time-proven in-line design gives sharp, clear color and black-and-white picture on all channels, 2 to 13. Features flat response and good directivity. Elements are constructed of tempered ⅜″ aluminum with 1″ aluminum cross-arm; all parts are gold corodized to resist smoke, soot and the ravages of weather. Supplied complete with all accessories described above, plus sturdy 5-ft. mast and chimney mount for easy, trouble-free installation. Shpg. wt., 8½ lbs.

91 U 053 XW........................5.95

91 U 054 XW. Above, but with universal-angle roof mount instead of chimney mount. Shpg. wt., 7 lbs..........................5.49

91 U 056 XW. Antenna Alone. 3¼ lbs..3.29

2-BAY CONICAL ANTENNA KITS—60-MILE RANGE



2-BAY CONICAL ANTENNA KIT WITH CHIMNEY MOUNT

as low $6⁴⁹

- High Gain for Best Color and Black-and-White
- Easy Installation

Gives excellent reception of all VHF channels. High gain for color and black-and-white up to 60 miles from transmitter. Features aluminum tubing and 1″ aluminum cross-beam. "Quick-Rig" design cuts installation time. With all accessories (above), 10-ft. mast and chimney mount. Shpg. wt., 11½ lbs.

91 U 000 XW........................7.39

91 U 021 XW. Above, but with universal-angle roof mount. 10 lbs...............6.49

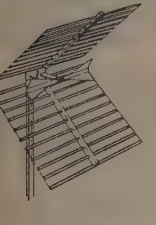
91 U 047 XW. Single-Bay Conical Antenna Alone. Shpg. wt., 2¾ lbs.............2.19

ANTENNA STACKING KITS

91 U 050 XW. Stacks two 1-bay conicals into 2-bay array. 8 oz...................55¢

91 U 052 XW. Stacks two 2-bay conicals into 4-bay array. ¾ lb...................1.35

KNIGHT UHF Antennas at Low Prices



ALL-ALUMINUM CORNER-REFLECTOR

$3⁹⁵

less mast

Provides up to 50-Mile Range

- Excellent Reception up to 50 Miles
- High Gain Plus Sharp Directivity
- High Front/Back, Front/Side Ratio
- Great for Fringe-Area UHF Viewing
- Assembled and Ready for Immediate Use
- Lightweight Aluminum, Gold Corodized

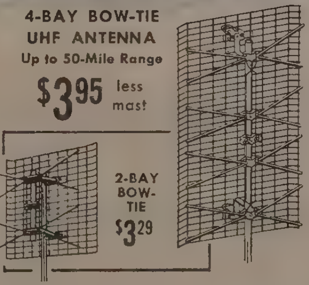
Deluxe corner-reflector type UHF antenna. Assembled and ready for use in fringe areas and difficult primary locations. Large reflector screen provides excellent reception at distances up to 50 miles from transmitter. High gain plus sharp horizontal and vertical directivity greatly reduce "ghosts" and interference. High front/back and front/side ratio. Twin-angled, multi-grid reflectors trap signal, concentrating it in-phase on bow-tie dipole. Lightweight aluminum construction, gold corodized. Less mast and lead-in (tubular lead recommended). Shpg. wt., 2¾ lbs.

91 U 070 XW........................3.95

4-BAY BOW-TIE UHF ANTENNA

Up to 50-Mile Range

$3⁹⁵ less mast



2-BAY BOW-TIE $3²⁹

Assembled and ready for easy installation. Can easily be attached to existing VHF antenna mast. 4-bay design gives good reception up to 50 miles. By stacking two 4-bay antennas together (see stacking kits below), you can get stations up to 70 miles away; four 4-bays, up to 90 miles. Has pre-installed phasing harness that maintains line matching. Less mast and lead-in (tubular lead recommended). Wt., 4 lbs. Truck or express.

91 U 064 ZW........................3.95

TWO-BAY BOW-TIE. UHF reception up to 25 miles. Less mast, leads. 2½ lbs.

91 U 071 XW........................3.29

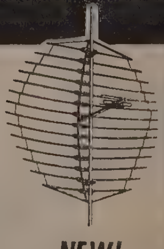
91 U 074 XW. Stacking Kit. To stack two 4-bay antennas together, 2½ lbs....2.95

91 U 080 XW. Stacking Kit. To stack four 4-bay antennas together. 4¾ lbs....5.45

5-FT. UHF ALUMINUM PARABOLIC REFLECTOR

$15⁹⁵

less mast



NEW!

- Excellent UHF Reception up to 80 Miles
- High Gain Plus Sharp Directivity for Excellent Interference Rejection
- Small Diameter Reduces Wind Resistance
- Pre-Assembled for Easy Installation
- Lightweight Aluminum, Gold Corodized

Advanced new design provides maximum signal-capture area with minimum wind resistance. Gives you high gain (14 db at Channel 14, 18.6 db at Channel 83), plus sharp directivity (33° on Channel 14, 17° on Channel 83) for excellent rejection of "ghosts" and interference. Radar-type screen focuses signals on special wave-guide collector element. Lightweight aluminum construction, gold corodized for long life. Entirely pre-assembled for easy installation—just fasten one screw, snap out elements and attach it to your mast. Less mast and lead-in (tubular lead recommended). Wt., 6½ lbs.

91 U 015 XW........................15.95

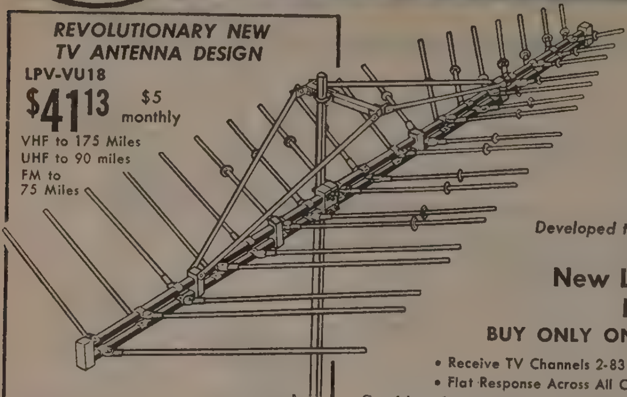
JFD Log-Periodic VHF and All-Band Antenna

REVOLUTIONARY NEW TV ANTENNA DESIGN

LPV-VU18

$41.13 $5 monthly

VHF to 175 Miles
UHF to 90 miles
FM to 75 Miles

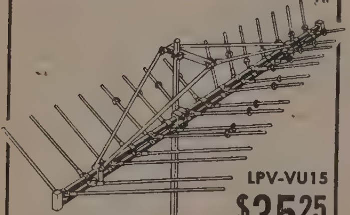


LPV-VU15

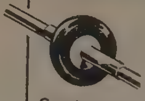
$35.25

$5 monthly

VHF to 150 Miles
UHF to 90 Miles
FM to 60 Miles



DESIGNED FOR COLOR & BLACK & WHITE



Great Antenna Innovation

NEW CAPACITOR-COUPLED DIPO

Unique new electronic ante principle! Uses series coup capacitors to achieve a increase in the number working elements. Gives maximum gain and directi in a single antenna cove all VHF, UHF, and FM ba

Developed through research at the University of Illinois . .
Proved in U.S. Air Force telemetry

New Log Periodic VHF-UHF-TV Plus FM Antennas

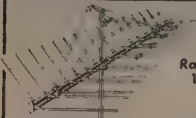
BUY ONLY ONE ANTENNA FOR ALL YOUR NEE

- Receive TV Channels 2-83 Plus FM
- Flat Response Across All Channels
- Great for Color and Black &
- Use Famous Log Periodic Prin

Combine the newly developed principle of capacitor-coupled dipoles with remar log periodic design to achieve remarkable gain, flat full-band-width response, directivity. Simplify installation—with a single antenna, you cover the VHF-UHF TV range, plus the FM band with a single down lead. Ideal for both and black-and-white. Sturdy twin square aluminum crossarms, stainless steel term oversize insulators, solid aluminum matching transformers. Gold alodized finish Gov't specs MIL-C-5541 and MIL-S-5002. LPV-VU18 and LPV-VU15 antennas boom braces for rigid element and director support. Smaller antennas have same ru construction but need no bracing. All models are supplied complete with line sp to run separate leads to VHF and UHF terminals, and FM receiver. Less mas lead-in (tubular lead recommended). Shipped truck or express.

Stock No.	Model No.	Active Elements	Cross-arm	Max. Width	Max. Range in Mi.			Lbs.	EA
					VHF	UHF	FM		
91 U 509 ZW	LPV-VU18	18	169″	82″	175	90	75	14	41
91 U 510 ZW	LPV-VU15	15	124″	86½″	150	90	60	13	35
91 U 171 ZW	LPV-VU12	12	97″	80″	125	65	50	12	29
91 U 583 UW	LPV-VU9	9	73″	82″	100	40	40	10	23
91 U 584 UW	LPV-VU6	6	60″	80″	75	25	30	6	16

New Log-Periodic VHF TV Antennas

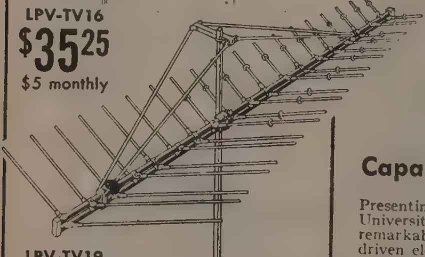


Range Up To 175 Miles

LPV-TV16

$35.25

$5 monthly

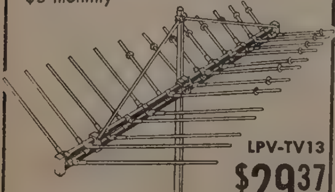


LPV-TV19

$41.13

$5 monthly

Range Up To 200 Miles



LPV-TV13

$29.37

$5 monthly

Range Up To 150 Miles

- Capacitor Coupled Dipoles Give Uniform Gain on All VHF Channels
- All Supplied 100% Preassembled
- Twin 1″ Square Aluminum Booms
- Gold Alodized to Resist Corrosion

CAPACITOR COUPLED DIPOLES

Unique new antenna pri ciple uses series couplin capacitors to increase th effective number of activ elements for maximu gain and directivity.

Capacitor-Coupled Dipoles For Up To 200-Mile Ran

Presenting a startling new development from the Antenna Research Laboratory of University of Illinois. Combines telemetry-proven log periodic antenna design wit remarkable new concept. By introducing unique series coupling capacitors into driven elements of a periodic antenna, JFD achieves the equivalent result of a grea number of active elements, therefore creating maximum gain. Also provides unif response on all channels, since gain is basically frequency independent. Highly rec mended for both color and black-and-white TV—also excellent for superior ste multiplex FM reception. Choice of 7 models, all 100% preassembled, and boast "Flip-Quick" construction—twin 1″ square aluminum boom crossarm, solid alumin harness, sleeve-reinforced elements, and oversize "tank turret" brackets. Install minutes. All are gold alodized by a special JFD process that meets MIL-C-5541 MIL-S-5002 government specs. LPV-TV19, LPV-TV16, LPV-TV13, and LPV-T antennas have boom braces for rigid element support. Other antennas listed be feature same rugged JFD construction, but are supplied less the boom braces. antennas come less mast and twin line. Shipped by truck or express.

Stock No.	Model	Elements	Cross-arm	Max. width	Range	Lbs.	EACH
91 U 576 ZW	LPV-TV19	19	205″	90″	Up to 200 mi.	24	41.13
91 U 577 ZW	LPV-TV16	16	180″	90″	Up to 175 mi.	19	35.25
91 U 578 ZW	LPV-TV13	13	150″	88″	Up to 150 mi.	15	29.37
91 U 579 ZW	LPV-TV10	10	120″	88″	Up to 125 mi.	11	23.45
91 U 580 ZW	LPV-TV7	7	81″	86″	Up to 100 mi.	8	17.61
91 U 581 ZW	LPV-TV5	5	51″	86″	Up to 75 mi.	6	12.91
91 U 582 ZW	LPV-TV3	3	30″	84″	Up to 50 mi.	4	8.79

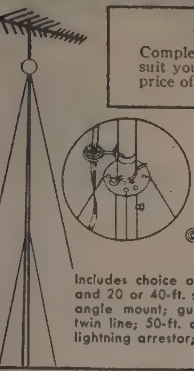
Get the Antenna You Want Now—Use Your Credit Fu

Log Periodic "Cap-Dipole" Antenna Kits

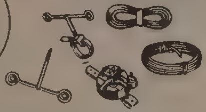
JFD

COMPLETE ANTENNA KIT CHOICES TO SAVE YOU MONEY

Complete kits—nothing extra to buy. Available in 3 different combinations to suit your needs. Save money, too—complete kit prices are LESS than the total price of individual components purchased separately.

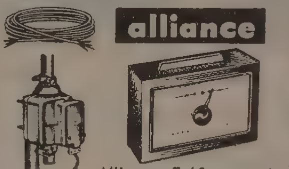


BASIC ANTENNA AND MAST KIT



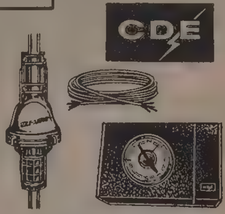
Includes choice of JFD Log Periodic Antenna and 20 or 40-ft. steel "slip-up" mast, plus: all-angle mount; guy wire; 100-ft. of 300-ohm twin line; 50-ft. of ground wire; ground rod; lightning arrestor; standoffs; guy hooks.

OPTIONAL MANUAL ROTATOR KIT



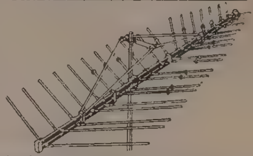
Alliance T-45 manual rotor and control, basic antenna mast kit, extra 10-ft. mast, 100-ft. rotor cable.

OPTIONAL AUTOMATIC ROTATOR KIT



CDE AR-22-R rotor, control, basic antenna mast kit, extra 10-ft. mast, 100-ft. rotor cable.

COMPLETE KITS WITH 82-CHANNEL VHF-UHF-FM ANTENNAS



re JFD "3 in 1" antennas for complete TV and FM coverage. Basic kits include 20 or 40-ft. distance to station determines which antenna to use, terrain determines mast height); all-angle ; guy wire; 100-ft. tubular twin line; lightning arrestor; hardware; signal splitter. Kits with rs include either Alliance manual rotator system, or Cornell-Dubilier automatic rotator system, ccessories. Rotators let you "beam" antenna for best reception. Shipped by truck or express.

VU18 COMPLETE "3-IN-1" ANTENNA KITS—Up to: 175 Miles VHF—90 Miles UHF—75 Miles FM

	ANTENNA AND MAST ALONE			WITH MANUAL ROTOR			WITH AUTOMATIC ROTOR		
Description	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH
with 20-ft. Mast	23 U 467 AL3ZW	38	52.95	23 U 465 AL4ZW	69	79.95	23 U 463 AL4ZW	67	89.95
with 40-ft. Mast	23 U 466 AL3ZW	63	60.95	23 U 464 AL4ZW	86	87.95	23 U 462 AL4ZW	84	97.95

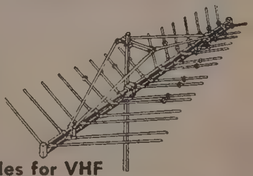
VU15 COMPLETE "3-IN-1" ANTENNA KITS—Up to: 150 Miles VHF—90 Miles UHF—60 Miles FM

with 20-ft. Mast	23 U 479 AL3ZW	37	46.95	23 U 477 AL4ZW	68	73.95	23 U 475 AL4ZW	66	83.95
with 40-ft. Mast	23 U 478 AL3ZW	62	54.95	23 U 476 AL4ZW	85	81.95	23 U 474 AL4ZW	83	91.95

VU12 COMPLETE "3-IN-1" ANTENNA KITS—Up to: 125 Miles VHF—65 Miles UHF—50 Miles FM

with 20-ft. Mast	23 U 473 AL3ZW	35	41.95	23 U 471 AL4ZW	59	68.95	23 U 469 AL4ZW	64	78.95
with 40-ft. Mast	23 U 472 AL3ZW	60	49.95	23 U 470 AL4ZW	83	76.95	23 U 468 AL4ZW	81	86.95

COMPLETE KITS WITH LOG PERIODIC VHF ANTENNAS



e JFD log periodic antennas that provide uniformly high gain on all VHF channels plus FM. kits include 20 or 40-ft. mast (distance to station determines which antenna to use, terrain ines mast height); all-angle mount; guy wire; 100-ft. twin line; lightning arrester; hardware; splitter. Kits with rotators include Alliance manual rotator system, or Cornell-Dubilier auto-rotator system, and all accessories. Let you "beam" antenna. Shipped by truck or express.

LPV-TV19 COMPLETE VHF ANTENNA KITS—Range up to 200 Miles for VHF

	ANTENNA AND MAST ALONE			WITH MANUAL ROTOR			WITH AUTOMATIC ROTOR		
Description	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH	Stock No.	Lbs.	EACH
vith 20-ft. Mast	23 U 492 AL3ZW	47	49.95	23 U 490 AL4ZW	80	76.95	23 U 488 AL4ZW	78	86.95
vith 40-ft. Mast	23 U 491 AL3ZW	72	59.95	23 U 489 AL4ZW	97	86.95	23 U 487 AL4ZW	95	96.95

LPV-TV16 COMPLETE VHF ANTENNA KITS—Range up to 175 Miles for VHF

vith 20-ft. Mast	23 U 485 AL3ZW	43	44.95	23 U 483 AL4ZW	75	71.95	23 U 481 AL4ZW	74	81.95
vith 40-ft. Mast	23 U 484 AL3ZW	68	54.95	23 U 482 AL4ZW	93	81.95	23 U 480 AL4ZW	91	91.95

LPV-TV13 COMPLETE VHF ANTENNA KITS—Range up to 150 Miles for VHF

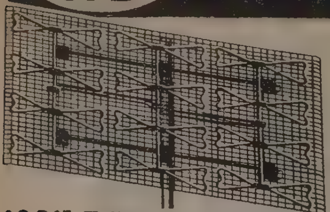
vith 20-ft. Mast	23 U 518 AL3ZW	39	39.95	23 U 516 AL4ZW	72	66.95	23 U 514 AL4ZW	70	76.95
vith 40-ft. Mast	23 U 517 AL3ZW	64	48.95	23 U 515 AL4ZW	89	75.95	23 U 499 AL4ZW	87	85.95

LPV-TV10 COMPLETE VHF ANTENNA KITS—Range up to 125 Miles for VHF

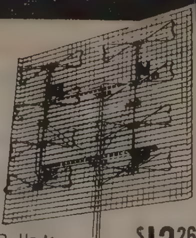
vith 20-ft. Mast	23 U 498 AL3ZW	37	33.95	23 U 496 AL4ZW	70	60.95	23 U 494 AL4ZW	68	70.95
vith 40-ft. Mast	23 U 497 AL3ZW	62	42.95	23 U 495 AL4ZW	87	69.95	23 U 493 AL4ZW	85	79.95

NOTE Antennas and antenna kits that have a Stock No. ending with the letter "W" are shipped separately from any other items on your order, from our warehouse in Maywood, Illinois.

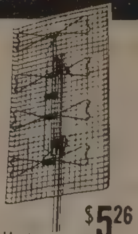
JFD UHF Antennas for TV Channels 14-83



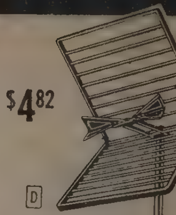
$20^67 A Up to 125-Mile Range
- Large Screen Traps Signal
- High-Gain Cardioid Dipoles



B Up to 100-Mile Range $12^26



C Up to 50-Mile Range $5^26



$4^82

D Up to 50-Mile Range

HEAVY-DUTY HIGHLY DIRECTIONAL UHF BOW-TIE ANTENNAS

A **MODEL UHF 212.** 12 bowties for fringe area reception. Super-sensitive "cardioid" dipole design provides extremely high gain, averaging 15 db, over all UHF channels, 14 through 83. Screen is engineered for efficient shielding of conical sections—wire grid offers higher signal-to-noise ratios and noise rejection. Provides sharp directivity; greatly reduces interference and "ghosts." Preassembled for simple installation. Less mast and 300-ohm twin line. (Tubular lead recommended.) 10 lbs. Shipped truck or express.
92 U 551 ZW. *$5 Monthly*.......20.67

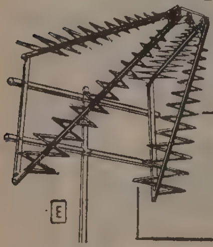
B **MODEL UHF208.** 8-bow stack gives fine UHF reception within 100 miles. Galvanized steel wire reflector and solid aluminum bows provide 12 db gain. Preassembled. Less mast, line. (Tubular lead recommended.) 8 lbs. Truck or express.
92 U 550 UW..................12.26

C **MODEL UHF202.** 4-bow stack with large screen reflector provides 8 db gain for good pictures in 50-mile range. Individual channels peaked. Less mast, line. (Tubular lead suggested.) Truck or exp.
92 U 151 UW, 6 lbs...............5.26

D UHF CORNER REFLECTOR

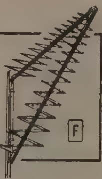
MODEL UHF410G. Broad-band, hig UHF antenna for use up to 50 mile station. Extremely sharp directivi jects unwanted signals. High front-t and front-to-side ratios help eli ghosts. Twin-angled, multi-grid ref trap signal, concentrating it in-ph duo-plane bowtie dipole. 9 db averag Rugged but lightweight; solid alu wire, bars and castings. Gold alodizing rust and corrosion. Preassembled; op like a book. Less mast twin-line. (T lead recommended.) Wt., 3¼ lbs.
92 U 403 XW..................

ZIG-A-LOG UHF ANTENNAS



$19^88 2-Bay Model Up to 125-Miles

$5 monthly



Single-Bay Model Up to 75-Miles

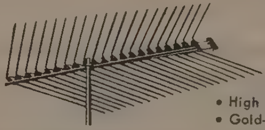
$9^38

E MODEL LPV-ZU20 2-BAY ZIG-A-LOG

Two-bay "Zig-A-Log" offers brilliant color and black-and-white UHF reception up to 125 miles from station. Boasting the advanced log-periodic principle (so successfully used for VHF), it achieves outstanding reception without large backing screens or reflectors. The two vertically-angled narrow-width meandering conductors are scaled precisely according to the log-periodic formula. Frequency-independent horizontal and vertical beam patterns ensure good directivity and 16-17 db gain. High front-to-back ratio opposes ghosts. Compact, easy to install. Gold-alodized to resist corrosion. Cross-arm, 45". Less mast, lead-in. (Tubular lead recommended.) 6 lbs. Shipped truck or express.
91 U 179 ZW. *$5 Monthly*......................19.88

F MODEL LPV-ZU10 SINGLE-BAY ZIG-A-LOG

Advanced log-periodic antenna provides bright, high-contrast color and black-and-white UHF reception within 75 miles of station. High 13.5 to 14 db gain. Excellent front-to-back ratio for ghost rejection. Gold-alodized aluminum elements won't rust or corrode. Preassembled; simply flip open and mount. Less mast and lead-in. (Tubular lead recommended.) Shpg. wt., 4 lbs. Shipped truck or express.
91 U 180 ZW..............................9.38



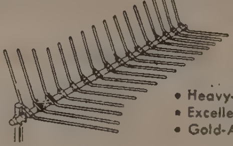
TYPE LPV LOG-PERIOD UHF-VHF ANTENNA

Model LPV-U21 $16^43

- High Gain on UHF and Channels 7-1
- Gold-Alodized to Resist Weather Co

Boast the advanced log-periodic principle to pull in UHF channel VHF channels 7-13. Up to 15 db gain. Excellent directivity. High to-back ratio for ghost rejection. Solid aluminum rods. Preasse Less mast, lead-in. (Tubular lead recommended.) Express or truck

Stock No.	Model	Cells	Range Up to	Size	Lbs.
92 U 490 ZW	LPV-U21	21	80 miles	65 x 31"	8
91 U 196 ZW	LPV-U15	15	60 miles	40 x 31"	6
92 U 491 ZW	LPV-U9	9	40 miles	26 x 30"	5
91 U 197 ZW	LPV-U5	5	25 miles	15 x 30"	4



LOG-PERIODIC TYPE TRANSLATOR/MPTAI ANTEN

Model LPV-TR22 $9^38 For UHF Recepti on Channels 70-

- Heavy-Duty Boom with Solid Rod Elements
- Excellent Directivity
- Preassemble
- Gold-Alodized to Resist Corrosion
- High

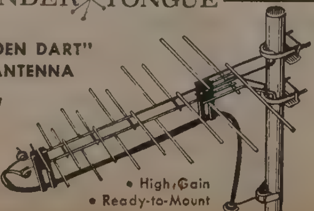
Compact and super-efficient translator antennas formulated acc to the efficient logarithmic-periodic principle. Deliver gain of up to Offer pinpoint directivity and uniform response across the entire band. Excellent front-to-back ratios for ghost rejection. VSWR 1.5:1 ensures maximum signal transfer. Single heavy-duty boom solid aluminum rod elements, all gold-alodized, will withstand win corrosion and maintain peak performance. Preassembled. Less lead-in. (Tubular lead recommended.) Express or truck.

Stock No.	Model	Elements	Range Up to	Length	Lbs.
91 U 592 ZW	LPV-TR22	22	100 miles	50"	6
91 U 593 ZW	LPV-TR16	16	75 miles	36"	4
91 U 594 ZW	LPV-TR10	10	50 miles	20"	3

BLONDER TONGUE

"GOLDEN DART" UHF ANTENNA

$3^87



- High Gain
- Ready-to-Mount

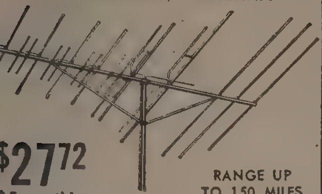
Features log-periodic principle, with 11 working elements, for constant high gain on channels 14-83. Excellent directivity. High front-to-back ratio minimizes ghosts. Welded steel, gold-iridite finish. Fully assembled, mounts with U-bolts supplied. Stripless terminals. Can be mounted on mast with VHF antenna. Less mast, lead-in. Only 17 x 13⅞" x 2½". Shpg. wt., 2¼ lbs.
91 U 494 XW.........................3.87
91 U 497 XW. Stacking Harness. Stacks two Dart antennas. Doubles gain. 1 lb.......93

Antennas and an tenna kits with suffi "W" in Stock No. ar shipped (separate from any other item on your order) fro our warehouse i Maywood, Illinois.

Winegard UHF and VHF TV Antennas

"COLOR 'CEPTOR" VHF ANTENNAS

MODEL CL4X VHF ANTENNA

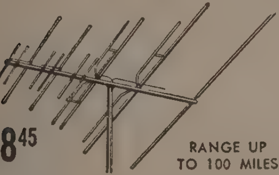


$\$27^{72}$
$5 monthly

RANGE UP TO 150 MILES

- 18 Elements • Non-Fade Gold Anodizing
- Gain Is Within 2.5 db on Each Channel
- Reinforced Reflectors Withstand High Winds
- Preassembled • Cadmium-Plated Hardware

eatures Winegard's exclusive "Electro-ens" director system, with high-Q loadng-coils for excellent color and blacknd-white reception. High front-to-back atio. 16" internal sleeve reinforcement. Plugged boom eliminates wind whistle. ongest element: 110". Boom length: 22". Less mast and twin line. Shpg. wt., 0 lbs. Shipped truck or express.
1 U 487 ZW. *$5 Monthly*......27.72

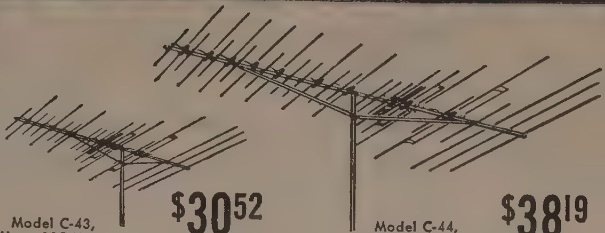


18⁴⁵

RANGE UP TO 100 MILES

MODEL CL4 VHF ANTENNA

'Color 'Ceptor" 11-element antenna feauring the "Electro-Lens" director sysem, and excellent specifications of the Model CL4X described above. Ideal for ity and near-fringe-area reception of olor and black-and-white VHF signals. Gold anodized. Longest element, 110". Boom length: 78". Supplied less mast and 00-ohm twin line. Shpg. wt., 7 lbs. Shipped truck or express.
1 U 486 ZW..................18.45



Model C-43, Up to 125 Miles

$\$30^{52}$
$5 monthly

Model C-44, Up to 175 Miles

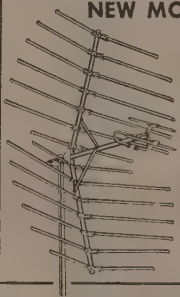
$\$38^{19}$
$5 monthly

"COLORTRON" ALL-CHANNEL VHF YAGI ANTENNAS

- High Uniform Gain on All 12 VHF Channels
- Gold Anodized • Lock-Tight Element Supports
- High F/B Ratio • Factory Preassembled
- Reflectors Reinforced by 16" Internal Sleeve
- Balanced at Clamp for Wind-Resistance
- Moisture-Barrier Insulators • Flat Gain
- Seamless Aluminum Double Boom Braces
- Seamless Air-Spaced Metal Phasing Bars

Powerful, sensitive antennas for color and black-and-white VHF. Feature "Electro-Lens" director system with high-Q loading coils for frequency response flat to ½ db across any channel. High-efficiency driven elements. High uniform gain on all channels. Triple-tuned reflector system for high front-to-back ratio and minimal ghosts. Absence of side lobes eliminates co-channel interference and noise. No "roll-off" on end of bands. Accurate 300-ohm impedance match. Reflectors have reinforcing sleeves to withstand high wind, ice loading. Gold-anodized for corrosion resistance. Lock-tight element supports for rigidity and easy installation. Wrap-around mast clamp has 4 pairs of locking jaws for sure alignment. Widest element, 110". Less mast and lead-in. Shipped truck or express.

Stock No.	Model	Elements	Boom	Range in Miles	Lbs.	EACH
91 U 488 ZW	C-44	30	190"	Up to 175	17	38.19
91 U 489 ZW	C-43	21	133"	Up to 125	12	30.52
91 U 490 ZW	C-42	14	78"	Up to 100	7	20.55
91 U 491 ZW	C-41	9	66"	Up to 60	6	14.67



NEW MODEL U-540 "TRACKER" UHF ANTENNA

Range Up to 95 Miles

$\$17^{61}$

- New High-Gain Directional Design
- Uniform Frequency Response for Superb Color
- Gold Anodized • Snap-Lock Hardware

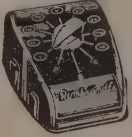
Newly-designed high-gain antenna for exceptional UHF color and black-and-white reception in any reception area. Controlled incident-wave reflector sharply focuses signal on collector element. Rejects ghosts. Uniform frequency response for true-to-life color reception. Lighter and more wind-resistant than other parabolic types. Snap-lock hardware, plus single, aligning mast clamp for easy set-up. Gold anodized aluminum fights corrosion. 300 ohms impedance on all channels for optimum signal transfer. Less mast, lead-in. (Tubular lead recommended.) Shpg. wt., 5 lbs.
91 U 406 UW..............................17.61

REMBRANDT ALL-DIRECTIONAL VHF ANTENNA KIT

$\$32^{92}$ $5 monthly

- Receive Stations from Any Direction
- Kit Includes Installation Accessories

eatures all-directional, 2-bay Riviera V Antenna, plus all accessories for asy installation. 16—60" elements prode excellent deep-fringe reception. onvenient 12-position switch (that can e located at your TV set) selects proper ements for best reception from any irection. Ensures sharper, clearer iewing of color and black-and-white. turdy aluminum construction includes —45" stacking bars. Diamond-embossed, gold anodized ½"-diameter eleents are preassembled. Kit also includes two 5-ft. masts, 100-ft. of lead, 3 mast insulators, 5 wall insulators nd chimney mount. Shpg. wt., 15 lbs. hipped by truck or express.
2 U 137 UW. *$5 Monthly*... 32.92



SELECTOR SWITCH

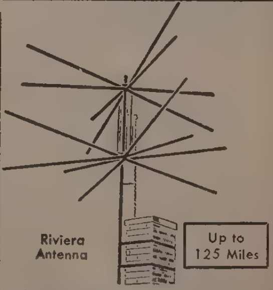
Included with Rembrandt antenna kit. Has 12-position knob to select proper antenna elements for best reception from any direction.

ALL-DIRECTIONAL RIVIERA ANTENNA AND SWITCH ALONE

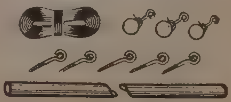
Same antenna described at left, and switch, above. Can be installed on an existing antenna mast. Less mast and installation accessories included with kit. 10 lbs. Shipped truck or express.
92 U 351 UW. *$5 Monthly*...........19.85

CABLE FOR RIVIERA ANTENNA

Special 4-conductor lead in. Shpg. wt., per 100 ft., 2 lbs.
91 U 553 XW. 100-ft. Coil................8.90

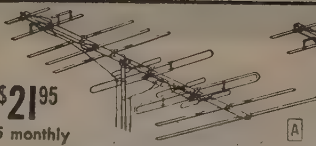


INCLUDES ALL ACCESSORIES

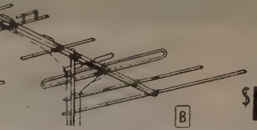


FINCO

VHF, UHF, and VHF/FM Antenna



$\$21^{95}$
$5 monthly



$\$11^{76}$

VHF-TV AND FM "COMBINE" ANTENNAS

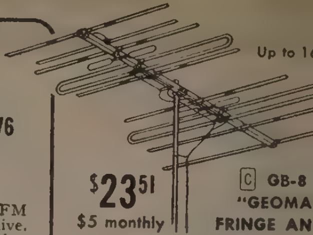
All-in-one antenna for both color and black-and-white VHF-TV as well as FM reception. "Fidelity Phased" colinear design offers maximum gain. Very directive, with high front-to-back ratio. Flat response. Gold-corodized for complete weather protection. Oversize boom of extra-heavy gauge aluminum for 8 times stronger suspension. Self-locking, self-aligning box-girder element brackets. Reinforced sleeve elements; 300% greater strength. Vital contact points use aluminum hardware. Lifetime polystyrene insulators. Snap-out assembly. *Require two lead-ins.*

A COMB-3C—TV TO 85 MILES, FM TO 75 MILES

Twenty twin-elements for TV (15 for channels 7-13, 5 for 2-6). Twin-phase 4-element yagi for FM. 8-ft., 4-in. boom. Less mast, lead-ins.
92 U 373 UW. Shpg. wt., 8 lbs. Truck or express........................21.95

B COMB-2C—TV TO 60 MILES, FM TO 45 MILES

Provides fourteen elements for TV (10 for channels 7-13, 4 for 2 6). 3-element yagi for FM. 5-ft., 10-in. boom. Less mast and lead-ins.
92 U 370 UW. Shpg. wt., 5 lbs. Truck or express........................11.76



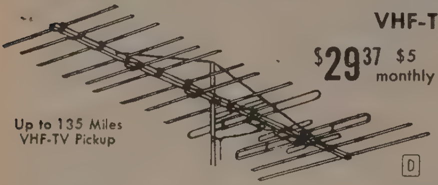
$\$23^{51}$
$5 monthly

C GB-8
"GEOMA
FRINGE AN

Three directors and two reflec good deep-fringe reception w tremely sharp directivity. Flat r for lifelike color. "Fidelity Phas greater gain, without matching Boom suspension rods give 8 greater support. No-tilt saddle b 100% gold-corodized aluminum girder brackets for precision alignment. Fully preassemblec mast, lead-in: 10 lbs.
92 U 594 ZW. Truck or express.

92 U 087 XW. GC Gold-Corodize ing Kit. For stacking two GB-8s creased gain. ½ lb. ....

VHF-TV "SPACE LINE" DUO-TWIN DRIVE ANTENNAS

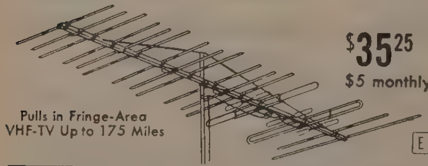


$\$29^{37}$ $5 monthly

Up to 135 Miles
VHF-TV Pickup

D MODEL A420CG "ATLAS" ANTENNA—UP TO 135 MI

Duo-Twin-Drive design provides equivalent of *six* half-wave driven el Two half-wave dipoles twin-driven on low band and two 3-element dipoles twin-driven on high band. Offers total of 6 elements working band (channels 2-6), and 27 elements on high (7-13). For both color and white TV. Full 1" square boom (equal to 1¼" round), 10-ft. long, ha suspension rods for 8 times greater support than ordinary bracing corodized aluminum weatherproofing. Less mast, lead-in.
91 U 233 ZW. Shpg. wt., 10 lbs. Truck or express..................2

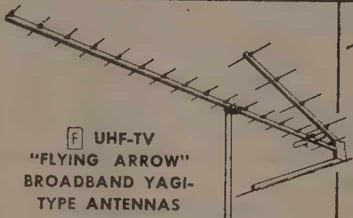


$\$35^{25}$
$5 monthly

Pulls in Fringe-Area
VHF-TV Up to 175 Miles

E MODEL S420DG "SATURN" ANTENNA—UP TO 175 MI

Boasts even greater pull-in power than antenna above. Duo-Twin Dr total of 7 elements working on low band (channels 2-6), and 33 elem high band (channels 7-13). Sharp directivity pattern, flat frequency r and high front-to-back ratio is ideal for color TV. Maximum gain " Phased" colinear design, 1" square boom, 13-ft. long; split boom rei inside and out with triple U-bolt saddles, boom suspension rods. Pro times greater boom support. Gold-corodized positive weather-pr surfaces. Less mast and lead-in.
91 U 234 ZW. Shpg. wt., 13 lbs. Truck or express..................3



F UHF-TV "FLYING ARROW" BROADBAND YAGI-TYPE ANTENNAS

- UHF Reception Up to 50 Miles
- 16-Element Corner Reflector and 15 Directors for High Gain
- Excellent Front-to-Back Ratio
- Weatherproof Gold-Corodized

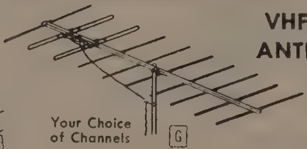
Your choice of channel ranges gives you UHF-TV reception superior to the pull-in power of "all-channel" type antennas. All-aluminum construction. Sturdy, one-piece boom. Preassembled. Less mast, lead-in. (Tubular lead-in recommended.) Shpg. wt., 2½ lbs. Truck or Express.

FA-1430 for Channels 14-30.
91 U 386 ZW....................8.81

FA-1445 for Channels 14-45.
91 U 376 ZW....................8.81

FA-4570 for Channels 45-70.
91 U 377 ZW....................8.81

FA-7083 for Channels 70-83.
91 U 379 ZW....................8.81



Your Choice
of Channels

VHF-TV "GEOMATIC" YAGI-TY ANTENNAS AND STACKING KI

- Peak Performance Even Up to 125 Miles from Stations
- Durable, Lightweight Aluminum Elements Are Gold-Corodized
- Maximum Gain with Sharp Directivity

High-quality yagi antennas for color or black-and-white reception in fringe are Maximum gain, sharp directivity, flat response, high front-to-back ratio. G corodized aluminum resists weather. Truck or express, except H6-713.

SINGLE-CHANNEL Y10 SERIES

For reception up 125 miles. Ten elements. Av. shpg. wt., 4¼ lbs.

Stock No.	Model	Channel	EACH
92 U 236 UW	Y10-2	2	13.82
92 U 237 UW	Y10-3	3	13.51
92 U 238 UW	Y10-4	4	12.75
92 U 240 UW	Y10-5	5	12.15
92 U 241 UW	Y10-6	6	11.75
91 U 380 UW	Y10-7	7	4.91
91 U 384 UW	Y10-8	8	4.9
91 U 387 UW	Y10-9	9	4.9
91 U 388 UW	Y10-10	10	4.9
91 U 389 UW	Y10-11	11	4.9
91 U 390 UW	Y10-12	12	4.9
91 U 393 UW	Y10-13	13	4.9

GOLD CORODIZED YAGI BROADBAND ANTENNAS (Channels 7-13)

Range	Stock No.	Model	Boom	Elements	Lbs.	EACH
125 miles	92 U 559 UW	H10-713	6'11"	10	4⅜	7.61
100 miles	92 U 567 XW	H6-713	4'	6	2	5.14

MODEL GA STACKING KIT

For 2 same-channel Series broad-band antennas above. 8 oz.
92 U 086W....................1.47

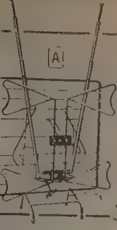
MODEL GB STACKING KIT

For 2 same-channel Series Y10 antenn above. 8 oz.
92 U 075XW....................1.5

SHIPPING INFORMATION: Antennas that have Stock Nos. ending with the letter "W" are shipped sepa from any other items on your order, from our warehouse in Maywood,

Indoor TV Antennas, Auto Antennas

JFD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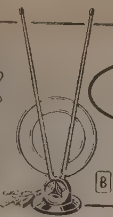
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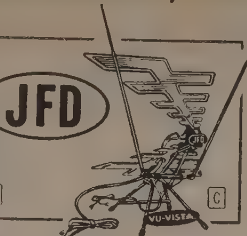

C

odel TA150 UHF/VHF $4.89

Model TA995 UHF/VHF $3.11

Model LPT-100 UHF $4.50

UHF AND VHF INDOOR TV ANTENNAS

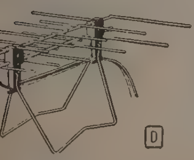
JHF-VHF MODEL TA150 "SONATA." Stacked bowtie for UHF, plus 4-section 38" dipoles for VHF. Polished brass. With sepa- leads for UHF and VHF. Shpg. wt., 2½ lbs.
U 552 XW.........................4.89

JHF-VHF MODEL TA995 "ASTRO-JET." Polished solid-brass 4-section 38" VHF dipoles and UHF loop with 6-position selector ch. Tip-proof, padded plastic base. With separate leads for F, VHF terminals. Shpg. wt., 1½ lbs.
J551.........................3.11

JHF MODEL LPT-100. Adapts outdoor Log-Periodic concept for unusually fine indoor UHF performance. Trapezoid design offers gain than loop or stacked bowtie. Provides better impedance ch, no special adjustment needed. Helps eliminate ghosts and ference. Gold alodized aluminum and polished brass. 10x13x With twin lead. Shpg. wt., 2½ lbs.
J 550 XW.........................4.50

151 XW. UHF-VHF Model LPT-283VU. Above, but with 2 ght VHF dipoles. Separate leads for UHF, VHF. 3 lbs..6.98

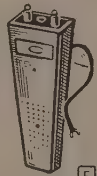
LONDER TONGUE "GOLDEN ARROW" INDOOR UHF


D

D Log-periodic design using 10 working elements for constant high gain and matched impedance on channels 14-83. Front-to-back ratio of 20 db. Good directivity minimizes ghosts. Wide bandwidth, flat response for color and black-and-white. Preassembled elements. 13½x13¼x1¾". With twin lead. Wt., 1¼ lbs.
91 U 323 XW............3.67

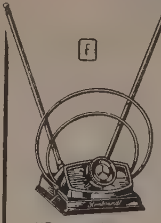
"HIDE-A-WAY" VHF ANTENNA

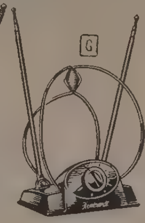
Compact, plastic-cased antenna assembly. For xcellent metropolitan-area reception of VHF. ct replacement for types supplied with port- TV sets. Telescoping elements of durable, el-plated brass tubing, mounted on ball-joint els. Rotate 360° for best reception of each nel. 5-section elements extend to 37"; retract f sight into housing when not in use. With 300- twin line, lug-tipped for easy installation. . wt., 1 lb.
484.........................1.71

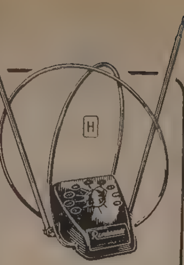

E

ALL CHANNEL *Rembrandt*

ALL-CHANNEL UHF/VHF INDOOR ANTENNAS AND FM STEREO


F


G


H

"Power King" $4.98

"Reception King" $7.95

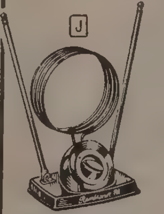
Deluxe $9.95

- Good-Looking!
- For Color, Black-and White TV, and FM too!
- Separate Leads for UHF, VHF

F **POWER KING.** Concentric rings and long telescoping arms pull-in all channels. 12-position switch for best reception. Walnut finish. Lead-ins, lug tips. 2¾ lbs.
91 U 373 XW.........................4.98

G **RECEPTION KING.** Coil-loaded crossed loops and 46" 5-section telescoping arms provide effective pull-in power. 12-position switch clears up annoying ghosts and snow. Walnut finish. Lead-ins and lug tips. Wt., 2¾ lbs.
91 U 372 XW.........................7.95

H **DELUXE.** Right-angle loop design with extra long, telescoping arms. Dual-control 12-position switch. Tunes out snow. Walnut finish. Lead-ins, lug tips. 3 lbs.
91 U 371 XW.........................9.95

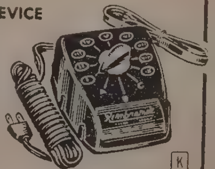

J

"STEREO-KING" FM ANTENNA

J **MODEL 1000.** Engineered exclusively for fine FM reception. Pulls in more FM stations, reduces drift, hum and noise. Great for improved reception of FM stereo multiplex. ¼-wave 4-section telescoping arms, ¾-wave induction coil, and 12-position station direction control, plus special noise filtering circuit. Attractively styled. With lead-ins, lug tips. Walnut finish. 2½ lbs.
91 U 385.........................6.95

HANDY VHF-TV CLARIFIER DEVICE

K Amplifies pickup power of your antenna. Helps filter out ghosts and clear up snowy images. 12-position switch selects elements for best picture from any direction without rotating antenna. With 5-ft. twin line. For 110-120 v., 60 cycle AC/DC. 2¼ lbs.
91 U 209.............5.95


K

KNIGHT AND WARD AUTO RADIO ANTENNAS

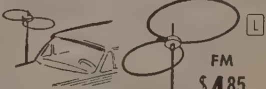
KNIGHT FM AUTO ANTENNA. Attaches to your present AM antenna to provide onger FM reception. Increases range and luces noise, flutter and fading. ¾-wave tenna design eliminates cross-polarization ses. Provides 3 db gain. Anodized alumi- m; chromed-brass fittings. Weighs only 2 Shpg. wt., 5 oz.
U 164.........................4.85

WARD MODEL SC-6 SIDE-MOUNT AUTO ANTENNA. Universal side-mount design most foreign-make cars and is adaptable all makes of trucks. 3-section telescoping st 21" extends to 57". Provides maximum 1 reception. Chrome-plated tubing. eather-resistant. With 36" lead-in cable, g. Shpg. wt., 1 lb.
U 252 XW.....................3.29

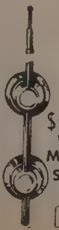
N **WARD UNR-52 REPLACEMENT ANTENNA** Triple-section mast. Replaces corroded or broken antenna for good AM reception. Easily fits over stub of old antenna. 23½" collapsed length. Extends to 51½". With set-screw for secure mounting. Wt., ½ lb.
92 U 417 XW.........................98¢

P **WARD MODEL TCF-3C AUTO ANTENNA.** Mounts on top cowl of car. Ball-and-socket mounting style adjusts to desired angle. 3-section mast extends to 56"; 22" telescoped. Chrome-plated brass tubing. Complete with 54" lead-in cable, Motorola-type plug. Preassembled. Shpg. wt., ¾ lb.
92 U 099 XW.........................1.98

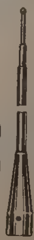
91 U 275 XW Model TCF-4. Same as above, but has 4-section mast. Extends to 57" from 18". With 54" lead-in. Shpg. wt., 1½ lbs....3.29


L

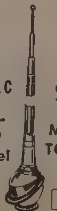
FM $4.85


M

$3.29 Model SC-6


N

98¢ Low-Cost Model


P

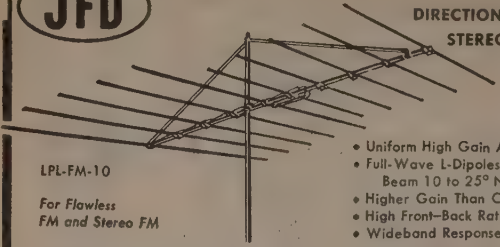
$1.98 Model TCF-3C

Antennas for Strong FM and Stereo FM Recepti

JFD

DIRECTIONAL LOG PERIODIC STEREO FM ANTENNAS

As Low As $11⁷³


LPL-FM-10

For Flawless FM and Stereo FM

- Uniform High Gain Across the FM Band
- Full-Wave L-Dipoles for sharp Horizontal Beam 10 to 25° Narrower Than Yagis
- Higher Gain Than Comparable FM Yagis
- High Front–Back Ratio
- Wideband Response

Pull in strong signals that are so important for proper stereo multiplex separation and hi-fi performance. Have boom-supports for rigidity even in 100-mile/hr. winds (not req'd. on LPL-FM-4). Gold alodized aluminum tubing exceeds U.S. Air Force corrosion specs. Reinforced elements. Less lead-in. Require 1¼" mast.

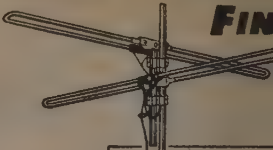
LPL-FM-10. 10 elements for far fringe up to 175 miles. 5 active cells, 5 directors. 10-ft. boom. 9.6 db gain, 41% better than 10-element yagis. 26 db F/B. 10 lbs. Truck or express.
91 U 186 ZW. *$5 Monthly*....29.37

LPL-FM-8. 8 elements for fringe area up to 150 miles. 5 active cells, 3 directors. 8-ft. boom. 9.1 db gain, 35% better than 8-element yagis. 20 db F/B ratio. 8 lbs. Truck or express.
91 U 192 ZW. *$5 Monthly*....23.49

LPL-FM-6. 6 elements for near fringe up to 125 miles. 5 active cells, 1 director. 6-ft. boom. 7.7 db gain, 30% better than 6-element yagis. 18 db F/B ratio. 6 lbs. Truck or express.
91 U 188 ZW................17.61

LPL-FM-4. 4 elements, suburban-local reception up to 75 miles. 3 active elements, 1 director. 5-ft. boom. 6.3 db gain, equal to 6-element yagis. 16.6 db F/B. 5 lbs. Truck or express.
91 U 145 UW................11.73

FIN



$7⁷⁸

Includes Hard

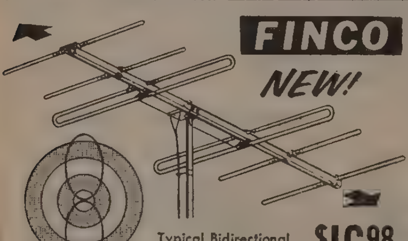
ALL-DIRECTIONAL FMT-A FM ANTENNA KIT

- Gets Stations from All Direction
- Gold Corodized for Long Life

Preassembled "turnstile" antenna do require rotation or aiming. Mounts o present TV mast. Two elements accu matched with special quarter-wave p stub for optimum gain and all-direc pick-up pattern. Provides strong rec over entire FM band. Gold-corodiz complete weather protection. Kit inc FM antenna, 50 feet of lead-in line stand-off insulator, 3 screw-in insu bracket for mounting to your prese mast. Less mast. Shpg. wt., 3¼ lbs.
91 U 330 XW....................

FINCO ANTENNAS IMPROVE FM/STEREO FM SIGN

NEW!

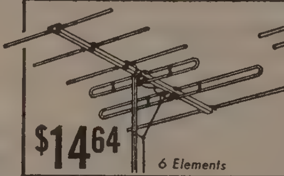

Typical Bidirectional Pattern Shown at Left

$16⁹⁸

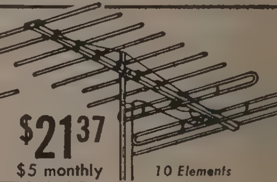
BIDIRECTIONAL FM4-4BD STEREO FM ANTENNA FOR THOSE LIVING "BETWEEN" STATIONS

If you're between FM stations, this is the antenna for you. For use in locations where FM signals are desired from two directions that are approximately opposite each other (see diagram above). Eliminates need for an antenna rotor or multiple antennas. Has twin drive plus dual director for high gain. Excellent performance in areas up to 75 miles from the station (in either direction). Offers gain equivalent to a 4-element twin-driven yagi—off of each end. Average gain, 6.5 db. Boom length, 10 feet. Gold corodized. Less mast and lead-in. 8 lbs. Truck or express.
91 U 556 ZW..............................16.98

$14⁶⁴


6 Elements

$21³⁷
$5 monthly


10 Elements

STEREO FM DIRECTIONAL FM-4G

Gold corodized, with 6 elements for up to 100 miles. Twin driven with impedance control "T" match stubs for high gain across entire FM band. "Geomatic" design provides outstanding front-to-back ratio. Sturdy square aluminum boom, 7 ft. 9 in. long. Double wall aluminum elements. "Lock-Tite No-Tilt" saddle mounting and box-girder snap-out brackets for quick, easy installation. Less mast and twin line lead-in. Shpg. wt., 6½ lbs. Shipped truck or express.
92 U 503 ZW.............14.64

STEREO FM DIRECTIONAL

Superb 10-element antenna fo FM reception from stations up miles away. Gold-corodized r rosive coating. "Geomatic" de twin-driven elements and pr spaced directors for high gain entire band. Suspension-brace square boom. Elements are sle inforced; lock into position in lock" brackets. Self-aligning br and double-wall aluminum ele are preassembled. Less mast, l 8½ lbs. Truck or express.
91 U 329 ZW. *$5 Monthly*...

ALL-DIRECTIONAL FM ANTENNA KIT

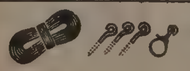
KNIGHT

$6⁴⁵

Gold-Corodized Elements Fight Corrosion

A real money saver for those who require better suburban or local reception. "Turnstile" design is ideal where stations are received from many directions. Folded dipoles mounted at right angles achieve essentially circular pick up for uniform gain from any quadrant. Eliminates need for antenna rotor. Extruded aluminum elements provide high degree of weather resistance. Includes swivel-type universal base for quick mounting to flat or sloping roof. Shpg.wt., 5 lbs.
92 U 583 XW............6.45

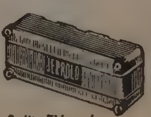
ANTENNA. Less accessories.
92 U 590 XW. Wt., 2¾ lbs...4.35


Includes 50-ft. lead-in, 5-ft. mast, universal base (not illus.), mast insulator, screw-in insulators.

$3⁹⁸

KNIGHT BANDPASS FILTER FOR FM

Blocks all but 88-108 mc FM band. minates or reduces TV, CB, Ham other interference to FM. Mounts at tenna terminals on receiver. 1½x4¼ Shpg. wt., 5 oz.
91 U 167........................3.



Splits TV and FM Signals

$3⁸⁷

JERROLD TX-FM ANTENNA SPLITTER

For TV-FM reception from one bro band antenna. Triple-tuned bandp filter separates signals—sends FM radio, TV signal to TV. Loss, only 1 Universal mount. 4¼x1¾x1³⁄₁₆". 4oz.
91 U 143........................3.

SHIPPING INFORMATION: Antennas that have Stock Numbers ending with the letter "W shipped separately from any other items on your order, from our warehouse in Maywood,

FM/Stereo FM Signal Boosters

BT

$16.61

BLONDER-TONGUE MODEL FMB INDOOR FM SIGNAL BOOSTER

Boosts strength of stereo FM and monophonic FM signals. Your favorite stations will come in clearer than ever! Inserts between antenna and FM receiver. High-gain, low-noise 6HA5/EC900 tube for 18 db gain with 3.8 db noise figure. Compact; easy to install anywhere indoors. Has screw terminals for stripless connection to 300-ohm antennas. 6½x3¾x2½". For 110-120 v., 60 cycle AC. Shpg. wt., 1½ lbs.
91 U 190..............16.61

JERROLD

New! FM/Stereo FM Booster, FM-TV Coupler and Splitter

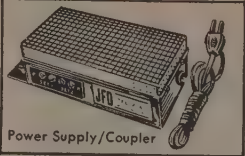
$19.55

SRX INDOOR FM STEREO RANGE EXTENDER

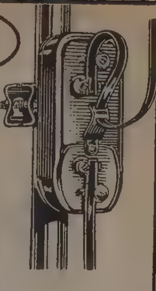
All-transistor circuit couples your FM receiver to your existing TV antenna, splits the FM and TV signals, and then boosts FM signal. Features gain of 15.5 db across entire FM band for excellent stereo reception. Only one db loss across TV band except Ch. 6. (Do not use unit if you require color reception on channel 6.) Mounts on back of set. 8⅞x6¼x4⅛". For 110-120 v., 60 cycle AC. 2 lbs.
91 U 327. *$5 Monthly*...19.55

JFD

NEW! FT-1 ALL-TRANSISTOR MAST-MOUNT FM BOOSTER



Power Supply/Coupler



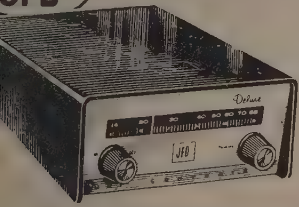
$20.97

- Up to 16 db Gain for Fringe FM
- 100% Solid-State Circuitry
- Built-in 2-Set FM Signal Splitter

Boosts signal for pulling in weak stereo FM and FM stations, and lets you connect two FM receivers to single antenna. Sharp 88-108 mc cutoff rejects interference. "Poly-U" sealed amplifier built on printed-circuit board for reliability; mounts on mast or antenna crossarm. Offset free-space terminals reduce effects of weather. No-strip terminals—connect lead-in with turn of a screw. Protected against lightning. Amplifier, 6¼x2½x1¼"; supply, 4½x2¾x1". U. L. Listed. For 110-120 v., 60 cycle AC. 1½ lbs.
91 U 055. *$5 Monthly*.................20.97

Add Channels 14-83 to Your 12-Channel TV Set

JFD



7.95

MODEL CR2-J UHF-TV CONVERTER/BOOSTER

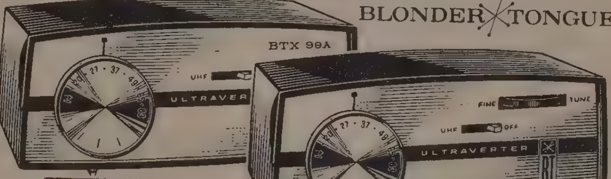
2 Transistors for Good Fringe Reception

need only a screwdriver! Make three rnal connection changes and you've erted your standard TV set to tune 70 channels. In addition, the UHF sigs boosted 10 db for fringe-area recep- Solid-state circuit consists of two istors plus diode for low noise, drift-reception, long life, no heat. Automatic nna switching (both VHF and UHF nnas connect to unit). Illuminated -rule dial. Pilot light. 300-ohm input output. Modern low-silhouette styling. ut plastic case, gold-color front panel. 6x7x2½". From Italy. For 110-120 v., cle AC. Shpg. wt., 3¾ lbs.
216. *$5 Monthly*...........27.95

CRI-J UHF-TV CONVERTER

as above, but does not boost signal. transistor. Charcoal-gray plastic case, front panel. 3¾ lbs.
519. *$5 Monthly*............19.95

BLONDER TONGUE



B

- *Each Unit Lets You Tune All 70 UHF Channels*
- *All-Transistor Circuit*
- *Modern Design*

A

New!

BTX-99A

$19.45

- Converter for Good Local Reception
- Installs in Minutes
- Warms Up Instantly

BTX-11A

$28.95

- Two Transistors
- Booster and Converter
- For Fringe Reception
- Has Fine-Tuning Dial

A BTX-11A 2-TRANSISTOR UHF-TV DELUXE BOOSTER/CONVERTER

Enables you to tune all TV channels in your area. Has booster for good pictures even in difficult weak-signal areas. Uses sensitive two-transistor circuit to provide high signal-to-noise ratio. Operates instantly, produces virtually no heat. Features fine-tuning dial with 100-1 tuning ratio for exactly pinpointing UHF stations. Stripless 300-ohm screw terminals. Pilot light. 3x6⅜x3¾". For 110-120 v., 60 cycle AC. U.L. Listed. Wt., 3 lbs.
91 U 394. *$5 Monthly*......................................28.95

B BTX-99A TRANSISTOR UHF-TV CONVERTER

As above, but does not boost signal nor have fine tuning. One transistor for good pictures in local areas (within 20 miles of station). 3 lbs.
91 U 395..19.45

ONDER TONGUE

BTD-44 BATTERY-POWERED SOLID-STATE UHF-TV CONVERTER

$12.94

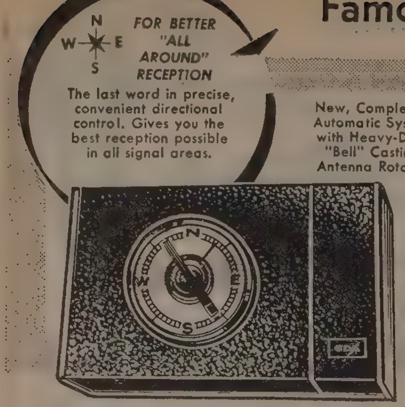
ULTRAVERTER
BLONDER TONGUE

risingly low price! Adds all UHF channels (14-83) to channel 5 or 6 of your present TV Offers solid-state circuit and modern cordless power. Gives you sharp, undistorted picwithin 20 miles of any UHF station. Uses a tunnel diode for maximum reliability. ates instantly, produces virtually no heat. Tunes just like a radio. Uses one flashlight cell lasts up to 9 months; costs less to operate than any AC-powered converter. Stripless hm terminals. 3x6⅜x3¾". Less battery, below. Shpg. wt., 3 lbs.
324...12.94
867. "D" Batteries for Above. Shpg. wt., 14 oz......................Pkg. of 4 for 52¢

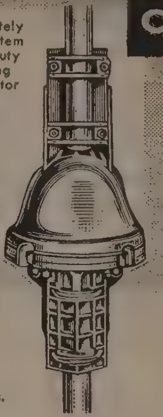
Famous-Name Antenna Rotators

FOR BETTER "ALL AROUND" RECEPTION

The last word in precise, convenient directional control. Gives you the best reception possible in all signal areas.

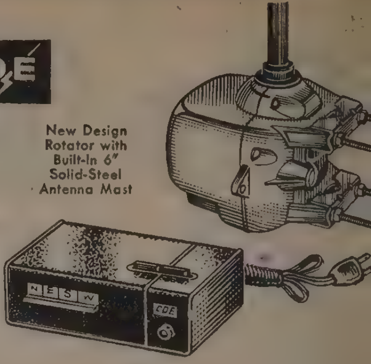


New, Completely Automatic System with Heavy-Duty "Bell" Casting Antenna Rotator



CDE

New Design Rotator with Built-In 6" Solid-Steel Antenna Mast



$32.83
$5 monthly

- Set the Dial—Unit Does the Rest!
- 45 Seconds, Full 360° Rotation
- Precision Ball-Bearings and Gears
- Weatherproof—Handles up to 150 lbs.

NEW AR-22R ANTENNA ROTATOR WITH AUTOMATIC CONTROL

Successor to the famous AR-22, this new model features the same time-tested circuit in a new, low in-line cabinet to blend with modern TV and Hi-Fi styling. Simple dial setting automatically positions antenna in 6° increments for precision tuning. Highly reliable in repeatability and accuracy—reset switch is built into control base. Once control is set for desired direction, the high-torque motor rotates antenna to that position and stops. Instantly reversible, too. Positive magnetic brake prevents overshoots. Rotator mounts on mast tower or platform. Long-life operation; permanently lubricated. Die-cast heavily reinforced housing supports large TV and FM arrays. Strong, reversible clamps for masts from ⅞" to 2" O.D. With 3 guy lugs. Requires 4-wire cable, below. Attractive, low-silhouette, vinyl covered metal control cabinet. For 110-120 v., 50-60 cycle AC. Shpg. wt., 15 lbs. Truck or express.
91 U 396 XW. *$5 Monthly*..............................32.83

$22.05
$5 monthly

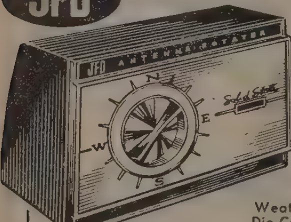
- Designed for Lightweight Antenna Installations
- Compact, Illuminated Control Instant Response Either Dir

NEW TR-10 ROTATOR WITH MANUAL CON

Rotator boasts built-in mast that *supports and* in line antennas. Saves time, reduces cost in cit suburban areas where TV and stereo-FM statio numerous and antenna directional control is requir best reception. Control with illuminated compass- directs antenna. Press touch-bar for 360° rotatio lease to stop. Has built-in guy lugs, mtg. clamps. (R mended for use with single-bay in-line and conica antennas—not for use with stacked arrays or antenn boom braces.) Requires 8-wire cable, below. Black clad metal control cabinet. For 110-120 v., 50-60 AC. 10 lbs. Truck or express.
91 U 398 XW. *$5 Monthly*....................22

JFD

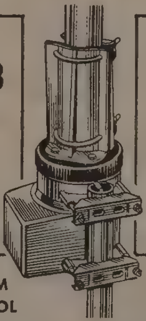
NEW ANTENNA ROTATOR SYSTEMS



$32.98
$5 monthly

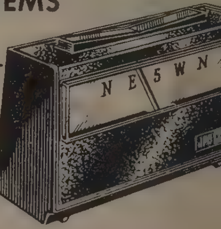
Weatherproof Aluminum Die-Cast Rotator Housing

- Solid-State Circuitry—Completely Silent
- High Torque Output—Handles Even Big Antennas



$24.67
$5 monthly

Massive Output Gear—Withstand 90 mph Winds



- Wide-Sweep Compass Meter for Tuning Ease
- Instant-Action Motor Braking and Release

NEW MCR-220 ANTENNA ROTATOR SYSTEM WITH AUTOMATIC TRANSISTORIZED CONTROL

Rugged design rotator with integral, hardened steel lower thrust ball-bearing for maximum torque output and weight-loading capability. Silver-finished automatic control has gold markers for direction identification. Foolproof, instantly reversible operation. Noiseless and stepless—1° tuning accuracy. Permanently lubricated gear train and bearings for life-time service. Steel mast-gripping clamps on upper and lower masts. Mounts on any mast, or holds mast up to 2" dia. 6" clamping span. Built-in guy wire slots. Requires 5-wire cable, below. Smart "cycolac" control cabinet. For 110-120 v., 50-60 cycle AC. 11 lbs. Truck or express.
91 U 146 XW. *$5 Monthly*..............................32.98

NEW MCR-110 ROTATOR SYSTEM WITH MANUAL CONTROL

Uses same sturdy rotator as automatic system, at left, but fea unique manual control. Easy-to-read compass meter has circu parallel with rotor motor permitting maximum accuracy and torque. Self-calibrating circuit keeps control unit constantly chronized with rotor unit. No calibration adjuster is required— down on installation time. Instant action automatic brake on eliminates drift, windmilling and overshoot. Brake releases insta when motor starts. Requires 4-wire cable, below. Modern "cyc control cabinet with touch-bar action. For 110-120 v., 50-60 AC. Shpg. wt., 10 lbs. Truck or express.
91 U 147 XW. *$5 Monthly*..............................24

4-CONDUCTOR CABLE. For use with Cornell Dubilier AR-22R, JFD Manual System (above), and Alliance U-100 (on following page). Shpg. wt., per 100 ft., 3 lbs.
91 U 237. 100-Ft. Coil..............2.19
91 U 241. 250-Ft. Coil..............5.29

5-CONDUCTOR CABLE. For use with JFD Automatic System (above), Alliance T-45 and C-225 Systems (following page). Shpg. wt., per 100 ft., 3½ lbs.
91 U 513. 100-Ft. Coil..............2.89
91 U 515. 250-Ft. Coil..............7.19

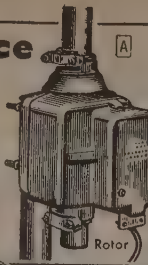
8-CONDUCTOR CABLE. For use with Co nell-Dubilier TR-10 Antenna Rotat System (described above). Shpg. wt., p 100 ft., 4 lbs.; 250 ft., 13½ lbs.
91 U 243. 100-Ft. Coil..............4.4
91 U 247. 250-Ft. Coil..............11.9

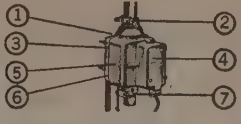
Antenna Rotators for Best TV-FM Reception

alliance

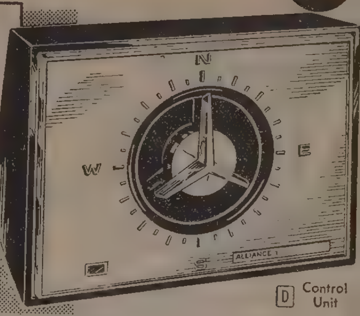
WHAT A ROTATOR DOES FOR YOU

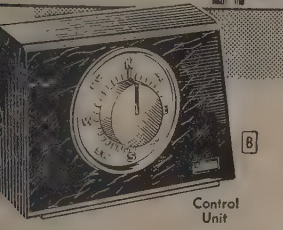
Lets you "aim" antenna to get stations from every direction. Also helps reduce interference and ghosting. Your antenna mast clamps easily into rotor shaft. Rotor
s controlled from unit at receiver.

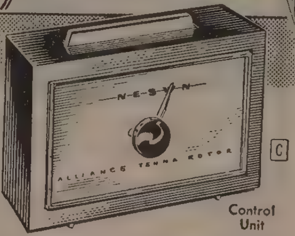




1. In-line mast mounting 2. Mast-clamps 3. Weatherproof housing 4. All moving parts lubricated for life 5. Die-cast aluminum 6. Direct worm-screw drive 7. Cadmium-plated hardware







B U-100 AUTOMATIC ROTATOR

28^{20}
- Automatically Aims Antenna
- Rotates 360° in 60 Seconds

ged unit points antenna in any direc-
for maximum signal strength. 8 com-
points—just set the dial—antenna
s when desired direction is reached.
pact rotor is weather-sealed. 1-rpm
or reverses instantly; magnetic brakes
ent overshoot and drift. Automatic
rol unit has mahogany plastic cabinet.
½x4". U.L. Listed. Less 4-conductor
(opposite page). For 110-120 v., 50-60
AC. Shpg. wt., 10 lbs.
442 XW. *$5 Monthly*........28.20
443 XW. Above, but Ivory Case..29.18

A C T-45 MANUAL ROTATOR

$\$23^{55}$
- Pointer Indicates Direction
- Instant Reverse Rotation

Slight fingertip pressure on top-located bar of control unit rotates antenna 360°. You stop antenna at any point by releasing bar. Features 5-wire circuit unaffected by motor current, cable length, voltage variations.

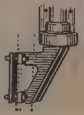
Motor is reversible for clockwise and counter-clockwise rotation. Weatherproof rotor. Mahogany plastic control unit cabinet, 4½x6½x2½". U.L. Listed. Less 5-conductor cable (opposite page). For 110-120 v., 50-60 cycle AC. 10 lbs.
91 U 555 XW. *$5 Monthly*.........23.55

A D C-225 AUTOMATIC ROTATOR

$\$35^{25}$
- All-Transistor Control Unit
- Automatically Aims Antenna

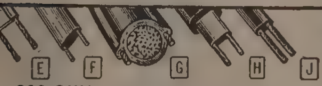
Pulls in more stations with a stronger, clearer picture! Set dial on control unit and motor assembly rotates your antenna to exact point you desire. Patented phase-sensing device provides fine "tuning" and maintains synchronization. Silent, positive action through 360° cycle. Instantly reversible motor has magnetic brake. Corrosion resistant rotor. Control unit in 2-tone plastic cabinet, 5x6½x4¼". Less 5-conductor cable (opposite page). For 110-120 v., 60 cycle AC. Shpg. wt., 9½ lbs.
91 U 512 XW. *$5 Monthly*.......35.25

TBB2 THRUST BEARING BRACKET



Designed for use with heavier-type antennas. Minimizes the strain on rotors by relieving them of the antenna's weight. Also protects the gears against excessive lateral strain. Shpg. wt. 3 lbs.
91 U 246 W...........2.91

KNIGHT AND BELDEN TV-FM TWIN LINE AND FOAM-TYPE TV CABLE



BELDEN 300-OHM AND 72-OHM TWIN LINE

300-OHM TWIN LINE

YPE 8225. 7x28 stranded copper
nductors. Flat polyethylene jack-
-mil web thickness. For outdoor
Vt. per 100 ft., 1¾ lbs.
441. 50′ Coil.................1.11
442. 75′ Coil.................1.40
443. 100′ Coil................1.62
531 XW. 250′ Coil..........3.97
532 XW. 9 lbs. 500′ Coil.....7.35

YPE 8226. As above, but in clear
cket. For indoor use.
226. 50′ Coil..................1.10
228. 75′ Coil..................1.40
229. 100′ Coil.................1.51

YPE 8230. Weldohm design for in-
eased strength and conductivity.
tranded, copper-coated steel wire.
l web. 2 lbs. per 100′.
445. 50′ Coil..................1.25
446. 75′ Coil..................1.67
447. 100′ Coil.................2.09
533 XW. 250′ Coil............5.15
535 XW. 500′ Coil............9.99

YPE 8235. 300-ohm oval twin line.
ow-loss type for both UHF and
use. Copper-coated, 7x26 steel
onductors. 185-mil web thickness.
. is minimum quantity available.
wt. per 100 ft., 4½ lbs.
451. 100′ Spool............4.70
538 XW. 21¾ lbs. 500′ Coil 20.58

300-OHM LINE (Cont'd)

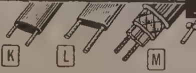
G TYPE 8275. UHF-VHF type. Ideal for color TV. Cellular polyethylene core is filled with inert gas. Polyethylene jacket. 7x28 copper-coated steel conductors. 3½ lbs. per 100 ft.
91 U 448. 50′ Coil..............2.35
91 U 449. 75′ Coil..............3.38
91 U 450. 100′ Coil.............4.19
91 U 536 XW. 9 lbs. 250′ Coil....10.54
91 U 537 XW. 17 lbs. 500′ Coil..20.97

H TYPE 8285. Low-loss 300-ohm UHF-VHF. Recommended for color TV. 22-gauge (7x30) copperweld conductors. Polyethylene insulation and webbing. Cellular polyethylene jacket. Outside diameter, ¼x15/32". Shpg. wt., 3½ lbs. per 100 ft.
91 U 452. 50′ Coil..............2.79
91 U 453. 75′ Coil..............4.12
91 U 454. 100′ Coil.............5.29
91 U 539 XW. 9¼ lbs. 250′ Coil.13.23
91 U 540 XW. 500′ Coil..........24.29

72-OHM TWIN LINE

J TYPE 8222. Two 7x28 stranded conductors, parallel in a brown polyethylene jacket. Outer diameter is .075x .128". Minimum quantity, 100 ft. Shpg. wt., per 100 ft., 1¼ lbs.
91 U 455. 100′ Spool 1.62
91 U 541 XW. 500′ Coil 7.35

KNIGHT



K **UHF-VHF 300-OHM TWIN LINE.** Ideal for color. Cellular polyethylene core, inert-gas-filled. 7x28 copper-coated steel cond. Polyethylene jacket. 3½ lbs. per 100 ft.
91 U 498. 50′ Coil......................1.65
91 U 499. 75′ Coil......................2.47
91 U 501. 100′ Coil.....................3.19
91 U 503. 250′ Coil.....................7.86
91 U 504. 500′ Coil.....................14.89

L **VHF 300-OHM TWIN LINE.** 80-mil web. Polyethylene jacket. No. 20 stranded conductors. 2 lbs. per 100 ft.
91 U 475. 50′ Coil......................68
91 U 476. 75′ Coil......................99
91 U 477. 100′ Coil.....................1.34
91 U 542. 250′ Coil.....................3.43
91 U 543. 500′ Coil.....................6.38

M **300-OHM COLOR UHF-VHF SHIELDED CABLE.** Specifically for color TV. No. 20 stranded. 7 lbs. per 100 ft.
91 U 189. 50′ Spool....................3.98
91 U 200 XW. 100′ Spool...............7.49
91 U 201 XW. 250′ Spool...............17.95

N **UHF-VHF 300-OHM OPEN LINE.** Loss, 0.5 db per 100 ft. at 200 mc. Wt., 100 ft., 2¼ lbs.; 250 ft., 3½ lbs. Minimum, 100 ft. coil.
91 U 473. 100′ Coil.....................2.17
91 U 474 XW. 250′ Coil................4.89

OPEN LINE STAND-OFF INSULATORS. Slotted for 300, 450, or 600-ohm lines. 5½" nail type. 5 oz. Pkg. of 5.
91 U 141......................Per Pkg. 68¢

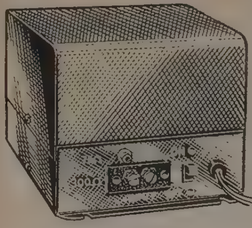
TV-FM Antenna Distribution Systems

For Schools

Long term, maintenance-free amplifier/distribution systems that cover both TV and FM bands. Bring brighter video, stronger FM signal to apartment buildings, stores, hotels and hospitals.

Apart
and C
Build

BLONDER TONGUE



Operates Up to 50 TV Sets and FM Radios

$48.65
$5 monthly

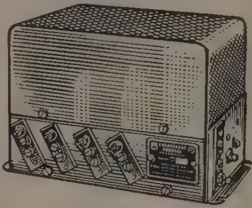
MODEL HAB VHF AMPLIFIER

- Provides Sharper TV Pictures, Stronger FM
- Improves Stereo Multiplex FM Reception
- More Than 25 db Gain on VHF and FM
- For Homes, Apartment Buildings, Hotels, Schools, TV Stores and Hospitals

Efficient, high-gain VHF television and FM amplifier. Increases signal voltage by at least 18 times—provides more than 25 db gain on all channels from 2 to 13, and on the FM band. Gain of high and low TV bands can be varied independently. Ideal as a preamplifier for home or small master TV antenna systems. Permits brighter, sharper pictures and increases number of TV stations set can pick up. Uses one 6DJ8 and two 6EJ7 tubes to provide highest signal-to-noise ratio, maximum reliability and long life.

Features stripless 300-ohm terminals and 72-ohm solderless coax connectors for input and output—can use 300-ohm twin line or 72-ohm coaxial cable.

In compact, sturdy, ventilated metal cabinet. 6x5¾x4⅜". For 110-120 v., 60 cycle AC. Shpg. wt., 4½ lbs.
91 U 170. *$5 Monthly*............**48.65**

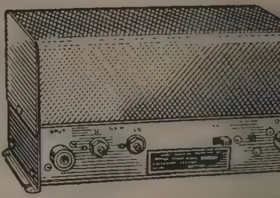


MODEL DA8-b VHF-TV DISTRIBUTION SYSTEM

$63.65
$5 monthly

- Handles up to 8 TV Sets
- 10-db Gain to Each Set
- 22-db Output Isolation

Combination booster and isolation-distribution system for small apartment buildings, homes, motels. Handles up to 8 TV sets. Provides 22 db minimum isolation between outputs to prevent interference between TV sets, 10 db gain to each TV set for sharp, clear pictures. 10 to 1 gain control range protects system from overload. Low-noise, all-triode circuit. Has inputs and outputs for 75 or 300-ohm line. One output may be used to feed another DA8-b to hook-up additional TV sets. Includes power supply, terminating resistors and grounding clamp. Screw terminals. 5x9x5½". For 110-120 v., 60 cycle AC. Shpg. wt., 6 lbs.
91 U 248. *$5 Monthly*.........**63.65**



$105.35
$6 monthly

MLA-FM VHF-
and FM AMPLIF

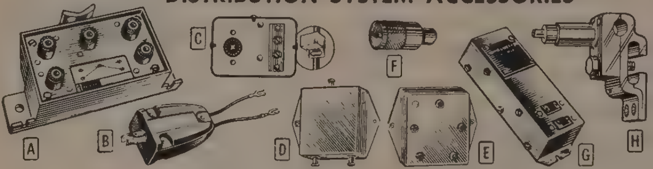
- Provides 40 db G
- Operates Up to 1 and FM Sets

Offers an effective signal boost of
on all VHF-TV channels from 2 t
plus the entire FM band. Install in
line to single TV set, or use with
tenna distribution system to feed
150 TV or FM sets from a single a
na. May be cascaded for added
when extremely long lines are usec

Maximum fidelity for color TV as
as black-and-white sets. Gain adjus
on high and low bands. Cascode cir
assure minimum noise. 75-ohm coa
put and output connectors. 7 tubes.
forated metal cabinet. 9x6x5". For
120 v., 60 cycle AC. 9 lbs.
91 U 437. *$6 Monthly*.......**105**

MODEL MLA-C. As above, but c
VHF TV only. Shpg. wt., 9 lbs.
91 U 365. *$5 Monthly*...........

DISTRIBUTION SYSTEM ACCESSORIES



(A) NEW 4SBV SPLITTER. Outdoor 4-way hybrid type for VHF. Separates or combines signal from 1 into 4—75-ohm cables (RG-59/U, RG-11U). 6⅜x3¼x2½". Shpg. wt., 1 lb.
91 U 051. *$5 Monthly*...........**12.94**

91 U 069. New 2SBV Splitter. Above, but 2-way type. 1 lb....................**9.36**

(B) "CABLEMATCH" TRANSFORMER. Use indoors. Matches 72-ohm to 300-ohm. Surface 2½x1½x1". ¼ lb.
91 U 402........................**1.86**

91 U 081. New "Cablematch" Transformer. Above, but for use with UHF and VHF. Shpg. wt., ¼ lb....................**2.94**

(C) MBb MATCHING TRANSFORMER. Weatherproof VHF-TV/FM balun for mast or boom. Matches 300-ohm lines to 75 ohms. 3¼x2⅛x3". ½ lb.
91 U 271........................**5.96**

(D) TS-772 SPLITTER. Indoor 2-way hybrid type. Separates or combines one 75-ohm cable into 2. 2x2x1¼". 8 oz.
91 U 422........................**4.17**

(E) TSB-774 SPLITTER. Similar to Model TS-772 splitter at left, but splits 75-ohm coaxial cable into four separate 75-ohm coaxial lines. For indoor use only. 2x2x1¼". Wt., 8 oz.
91 U 423........................**4.90**

(F) P-59T MALE CONNECTOR. For use with "Masterline" Model MLA-C signal amplifier. Fits RG-59/U cable. 3 oz.
91 U 438........................**1.08**

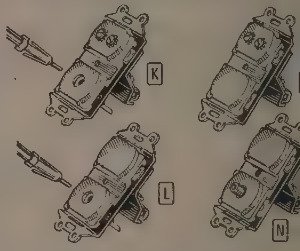
91 U 075. P-11S Connector. As above, but for RG-11/U coax cable. 3 oz.........**1.08**

(G) MLF AC LINE FILTER. 60-db RF line-to-amplifier isolation. 2 AC receptacles. Surface mtg. 5½x2x1¼". ½ lb.
91 U 267........................**12.49**

(H) MT-11 TV CABLE TAPOFF. Weatherproof, spliceless tap for use with RG-11/U cable. 17 db isolation. 75-ohm coax output. Shpg. wt., 6 oz.
91 U 115........................**4.41**

TS-731 MATCHING TRANSFORMER. For indoor use. 75-ohm impedance input to single non-isolated 300-ohm output. For RG-59/U coax cable. Surface mounting. 2¼x2¾x1⅛". Wt., ¼ lb.
91 U 349........................**2.69**

"VERSA-TAP" SYSTEM JACK

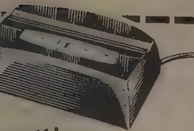


All types mount flush in standard AC ou
boxes. Any number of tap-offs can be gan
to meet needs of any MATV syste
Through line loss per output: Types
1M17, V-1P17 and V-1S17-X, 0.7 db; T
V-3156-17, 0.9 db. All have 17-db. isolati
Type 3156-17 also has 27-db for FM. Ty
V-1M17 and V-1P17 have 75-ohm out
impedance; Type V-1S17-X, 300-ohm; T
3156-17, 75-ohm (TV), 300-ohm (F
Type V-1M17 has Benconector output c
nector; Types V-1P17 and V-3156-17 h
solderless autoplugs; Type V-1S17-X
stripless screws. All have one output, exc
Type 3156-17, two.

Stock No.	Mfr's Type	Fig.	EAC
91 U 546	V-3156-17	K	3.23
91 U 547	V-1P17	L	2.11
91 U 548	V-1S17-X	M	1.96
91 U 549	V-1M17	N	2.60

BLONDER TONGUE TV and FM Boosters

HOME TV-FM ANTENNA AMPLIFIERS AND AMPLIFIED COUPLERS



NEW!

Indoor V/U-ALL2

$\$26^{95}$

$5 monthly

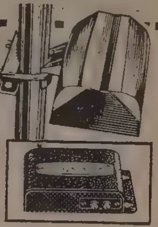
Obsolescence-Proof VHF-UHF Amplifiers . . . Cover All Future TV Channels, plus All Present Channels!

Low-power, high-gain transistor circuitry amplifies all 82 TV channels—both UHF and VHF provides sharp color as well as black-and-white TV reception . . . filters out all local FM interference.

Mast-Mount U/VAMP-2

$\$32^{58}$

$5 monthly



V/U-ALL2 INDOOR 2 SET VHF-UHF AMPLIFIER

Delivers sharp, clear TV reception. Can be used with a single set, or two sets. For use with all-channel TV receivers, or VHF eceivers with UHF converters. Built-in FM filter prevents 'overload" by local FM stations. 2-transistor circuit draws so ittle power that unit need never be turned off. Input accepts combined UHF/VHF signals of 300-ohms impedance. Output s two combined signals at 300-ohms. Excellent impedance natch and set isolation. Easily installed. "Tuck-away" size, only 2⅞x4x1⅝". Shpg. wt., 1 lb.

1 U 342. *$5 Monthly*.......................26.95

U/VAMP-2 FOR MAST-MOUNTING

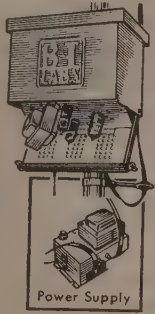
2-transistor amplifier is easily mast-mounted for best signal-to-noise ratio. Use it with one, or with 2 sets. Low-power consumption—unit need never be turned off. Indoor remote power supply has combined UHF/VHF output, 300-ohms. Separate inputs for UHF and VHF antennas allow use of best antenna for each band. Filter prevents "overload" caused by local FM stations. Cast-aluminum weatherproof housing for outdoors. Amplifier size, 2⅞x4x1⅝"; power supply, 2⅞x4⅞x1⅜". Shpg. wt., 1½ lbs.

91 U 343. *$5 Monthly*.......................32.58

DEL AB-3 UXE TV-FM MPLIFIER

84^{28}

5 monthly



- lb Gain on TV nd FM Bands
- Signal-to-Noise atio for Greater ensitivity
- Automatic ides Excellent lor Reception

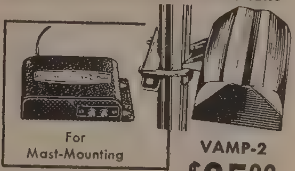
des 25 db gain on all VHF TV chan- through 13, and FM broadcast band. ses signal voltage by at least 18 times. ent for color reception.

be mast-mounted a mile away from d AC power source (when open lead- used)—amplifies signal with no in- in line noise from lead-in. Needs no te power line. Operation is automatic lifier turns on and off at RP-3 remote supply. Easy to install—stripless als for 300-ohm line, solderless-type ohm.

m balanced input; 300 and 75-ohm s for use with either twinlead or l cable. Efficient broadband circuit rame-grid 6DJ8 tube provides highest to-noise ratio with maximum reliabil- zes: amplifier, 7¾x5⅜x5¼"; power , 6¾x3¾x4¼". For 110-120 volts, 60 AC. Shpg. wt., 7 lbs.

59. *$5 Monthly*.............84.28

TRANSISTORIZED VHF AMPLIFIERS



VAMP-2

$\$25^{33}$

$5 monthly

- High-Gain Transistor Circuit
- Remote Power Supply Easily Installed At TV Set

VAMP-2 2-TRANSISTOR VHF AMPLIFIER. Powerful 2-transistor circuit brings sharp pictures and brightens black-and-white reception. Excellent for color TV. Pulls-in weak channels without "overloading" in presence of strong TV or FM stations. Provides 10-15 db gain. Can be used with one or two TV sets. Features low-power drain, low-noise, low-heat, no tubes to replace. Easy installation; uses stripless screws. Amplifier, 2⅞x4x1⅝"; remote, 2⅞x4⅞x1⅜". 1½ lbs.

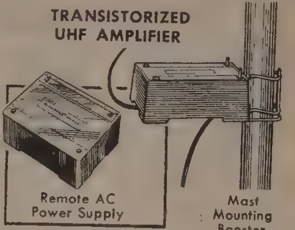
91 U 344.......................25.33

91 U 345. VAMP-2-75. As above, but for 75-ohm cable. 300-ohm input eliminates need for separate balun. Single 75-ohm output can be split to handle 8 or more TV sets. Shpg. wt., 1½ lbs.......................28.96

VAMP-1 1-TRANSISTOR VHF AMPLIFIER. Boosts signal up to 4 times—8 to 12 db gain. For one set. Clears up weak pictures. Weatherproof amplifier is mast-mounted for best signal-to-noise ratio. Solid-state circuitry draws very little power. Amplifier, 2⅞x4x1⅝"; remote, 2⅞x4⅞x1⅜". Shpg. wt., 1½ lbs.

91 U 346.......................16.76

TRANSISTORIZED UHF AMPLIFIER



- 2-Transistor Circuit
- Low Power Drain . . Minimum Maintenance
- Triples Signal Strength
- For One Set

$\$26^{39}$

$5 monthly

MODEL ABLE-U2. Provides the power needed to bring in weak channels, yet does not "overload" strong channels. Average gain of 10 db triples signal strength. Offers maximum signal-to-noise ratio for clear, strong TV pictures.

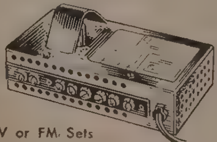
Transistor-circuit produces uniform, high-gain across entire UHF band, channels 14 to 83. "Miracle Mount" snaps onto antenna mast—amplifier slips over prongs for fast, secure installation.

Remote power supply plugs into AC outlet—draws so little power it can be left on continuously. 300-ohm balanced input and output. Size of amplifier and power supply, each 1⅝x2⅞x4". For 110-120 v., 60 cycle AC. Wt., 1¼ lbs.

91 U 508. *$5 Monthly*.............26.39

^{90}

Excellent for Color TV



$\$13^{96}$

Amplifies Antenna Signal

- ent Low-Noise Circuit
- rates Up to 4 VHF/TV or FM Sets

- Increases TV Signal 2½ Times
- Handles 2 VHF/TV or FM Sets

T TV-FM AMPLIFIER-COUPLER

B24-C. Boosts signal strength up to hen using 1 set, up to 5 db with 2 ch TV or FM set receives more than signal power when used with 4 sets. s terminals. 300-ohm input/output. x2½". For 110-120 v., 60 cycle AC. t., 1½ lbs.

2.......................16.90

2-SET TV-FM "AMPLI-COUPLER"

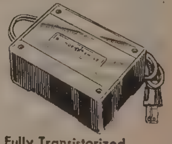
MODEL B-42. With one set, more than doubles the antenna signal 7 to 9 db; with 2 sets, each receives more signal than would be supplied by the antenna without booster. Stripless terminals. 300-ohm input and output. 3¾x6¼x2½". For 110-120 v., 60 cycle AC. Shpg. wt., 1½ lbs.

91 U 478.......................13.96

Delivers amplified signals for up to 4 VHF sets on same antenna.

$\$19^{55}$

$5 monthly



Fully Transistorized

IT-4 TV-FM AMPLIFIER-COUPLER

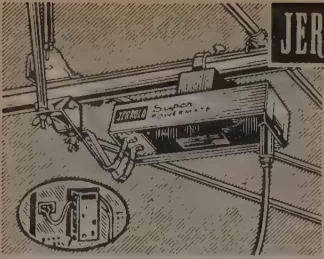
Low-cost TV-FM amplifier for the home. Amplifies antenna signal 3 to 6 times—for up to 4 TV and/or FM sets. All-transistor circuit assures low power drain, noise-free signals, minimum maintenance. Isolated outputs prevent interaction of sets, provide true 300-ohm impedance to each set. Input impedance matched to antenna's—no balun needed. Stripless terminals. Size, 1½x6¼x3¼". For 110-120 v., 60 cycle AC. Shpg. wt., 1 lb.

91 U 261. *$5 Monthly*.............19.55

our Allied Credit Fund to Help Improve Your TV Reception Now

TV Amplifiers, Couplers

JERROLD



"SUPER POWERMATE" TRANSISTOR VHF TV ANTENNA AMPLIFIERS

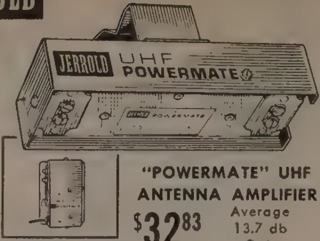
as low as $\$29^{35}$

Two Transistors for High Gain, Extremely Low Noise Figure, Up to 15.6 db Gain

SPM-102. VHF-TV preamplifier with excellent gain and overload characteristics. Strengthens signals from distant stations without interference from strong local stations. Provides up to 15.6 db gain. Excellent noise figure, flat response for crisp, clear pictures—0.6 db on channels 2-6, 0.2 db on channels 7-13. Preamp mounts directly on antenna boom for maximum gain. Remote power supply has 2 outputs, mounts behind TV set. 300 ohms. Preamp, 2¼x6¼x3⅜"; power supply, 4¾x3¼x1¼". For 110-120 v., 60 cycle AC. 2 lbs.
91 U 231. *$5 Monthly*...........**29.35**

91 U 235. SPC-103. Above, but for 75-ohm coaxial lines. Ideal for color reception—imperceptible signal distortion or loss. Remote power supply has 75-ohm or 300-ohm output (switch selected). 2 lbs...........**31.33**

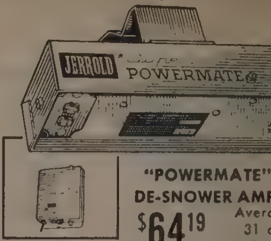
LPM-102. Like SPM-102, but 1 transistor circuit for areas with no overloading. Includes antenna-mounting preamp and remote power supply. Average gain: 11.5 db. 300 ohms. Shpg. wt., 2 lbs.
91 U 316. *$5 Monthly*...........**19.55**



"POWERMATE" UHF ANTENNA AMPLIFIER

$\$32^{83}$ Average 13.7 db Gain

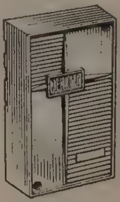
UPM-104. Specially designed for use with UHF television antennas. Provides sharp, clear, reception in troublesome fringe and deep-fringe UHF locations. The twin-transistor antenna amplifier is mounted on either mast or reflector screen of antenna, while remote power supply may be mounted at distances up to 100 feet away. Average gain is superb 13.7 db on all UHF channels from 14 to 83. Impedance: 300 ohms. Amplifier size, 2¼x6¼x3⅜"; remote power supply size, 4¾x3¼x1¼". Supplied with all necessary mounting hardware. For operation from 110-120 v., 50-60 cycle AC. Shpg. wt., 2 lbs.
91 U 318. *$5 Monthly* **32.83**



"POWERMATE" DE-SNOWER AMP

$\$64^{19}$ Avera 31 d Ga

SPC-132. Super-gain amplifier for e fringe areas or wherever high driver needed. Averages 29 db gain on the h bands; 33 db on low bands. Two-tra preamplifier is mounted on mast, axial down lead to prevent spurious or noise pickup. Signal is further an by a three-transistor circuit in the power supply. Amplifier size, 2¼x6¼ remote power supply, 4¾x4¾x1¼ pedance: 300 ohms balanced from an to amplifier; dual outputs to set, or 300-ohm. Complete with conn hardware. For 110-120 v., 60 cyc Shpg. wt., 3 lbs.
91 U 326. *$5 Monthly* ....



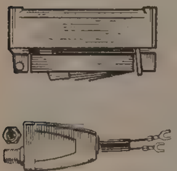
NEW! 2-SET INDOOR AMPLIFIED UHF COUPLER

$\$19^{55}$

- Couples Two UHF TV Sets to a Single UHF Antenna
- 2.5 db Average Gain Provides Bright Sharp Picture
- Isolation is 10 db to Minimize Interference

TAU-12. New two transistor amplified 2-set UHF coupler pr average of 2.5 db gain—more than enough to adequately drive e two UHF TV sets from a single antenna. Ideal for use in pr fringe or near fringe areas. Uses transistorized circuitry for high tivity, low noise. Isolation between outputs is approximately 10 minimize interference between sets. Flat low-silhouette case. isolated AC power supply—no shock hazard. Impedance: 300 For 110-120 v., 50-60 cycle AC. Shpg. wt., 2 lbs.
91 U 317. *$5 Monthly*..................................**1**

NEW "COLORAXIAL" MATCHING-TRANSFORMER KIT

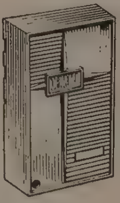


$\$4^{92}$

- Improves Color Picture Quality
- Permits Use of Shielded Cable
- Minimizes Lead-in Interference

CAT-2. Complete kit of matching transformers for converting TV and FM antenna installations for use with low-interference 75-ohm coaxial cable. Consists of a mast-mounting transformer (with mounting bracket and strap) that matches any 300-ohm antenna to 75-ohm coaxial cable, an indoor set-mounting transformer that matches the coaxial cable to the TV or FM set input. Less cable. Shpg. wt., 2 lbs.
91 U 258......................**4.92**

"POWERMATE" AMPLIFIED 4-SET VHF COUPLER

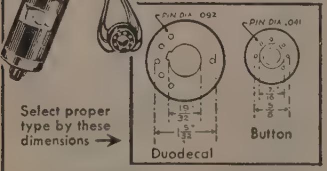


$\$22^{49}$

- One Antenna Feeds Up to 4 S
- 2 High-Gain Low-Noise Transi
- Won't Overload on Strong Si

TA-66. Four-set, two-transistor coupler proves reception of weak signals witho troducing interference from stronger si Terminals are arranged so two or thre may be connected, instead of four, incr gain with each reduction. With four sets is 7.5 db on channels 2-6, 5.6 db on ch 7-13. With two sets, 10.5 db on 2-6, 8.6 7-13. Plastic case, 7³⁄₁₆x4³⁄₁₆x1⅞". For 11 v., 60 cycle AC. 1½ lbs.
91 U 217. *$5 Monthly*...............**2**

PICTURE TUBE BRIGHTENERS FOR LIKE-NEW TV



No rewiring—handy plug-in design

"KURE-ALL" by ANCHOR

MODEL UK-200. Duodecal Base. Corrects cathode and control grid shorts, opens, plus low emission, or any combination of these. Switch permits isolation of parallel or series filaments, with either normal or boosted voltage. For either electrostatic or electromagnetic focus tubes. With instructions. 1 lb.
91 U 104......................**3.90**

PICTURE TUBE "BRITENERS" by PERMA-POWER

MODEL C-202 AUTOFORMER TYPE. Duo Decal Base. Adds life to aging picture tubes when dimness is due to low cathode-emission—returns brightness and contrast to picture. For parallel or series sets with black-and-white picture tubes, 8" or larger. Boosts filament power 50%. Does not relieve cathode-filament shorts. Shpg. wt., 8 oz.
91 U 204......................**2.20**

MODEL C-212 110° AUTOFORMER TYPE. Button Base. For 110° button base tubes. Boosts filament 50%. For parallel or series sets. Does not relieve cathode-filament shorts. 8 oz.
91 U 205......................**2.20**

MODEL C-301 ISOLATION TYPE. Duodecal Base. Brightens and isolates parallel or series types. Switch selects 6.3-v. to relieve cathode-filament shorts; 8-v. to increase cathode emission. 10 oz.
91 U 092......................**2.62**

MODEL C-311 110° ISOLATION T Button Base. Picture tube brightener storer for 110° tubes. Adds life to a cathode ray tube—eliminates need costly premature replacement. Brigh and isolates parallel or series types. lieves cathode-filament shorts, or creases cathode emission. Simple sw selects function. Operates on either se string or parallel wired filaments. Sl wt., 10 oz.
91 U 093......................**2.**

COLOR

MODEL C-501 "COLOR BRITE." Exten life of three-gun color CRT's. I creases filament voltage to boost cat ode emission, return contrast ar color quality. 1 lb.
91 U 227......................**5.7**

TV Amplifiers for Improved Reception

JFD

INDOOR AMPLIFIERS

VHF/FM
UHF
JFD

$28.17

/U-3. For VHF-UHF-FM. 13 db gain on HF. 10 db on UHF. 10 db on FM—more an triples the signal. Use with all-channel tenna. or separate antennas combined to one down-lead. Built-in signal splitter parates signals. 3 transistor low-noise cir-it. printed circuit reliability. low current ain. 300 ohms. 6½x3½x2". For 110-120 60 cycle AC. 2 lbs.
U 105. *$5 Monthly*..........28.17

-2. **VHF Amplifier.** As above, but for VHF ly. Boosts signal 5 times. 4-set signal itter. 2 transistors. 2 lbs.
U 106..........22.49

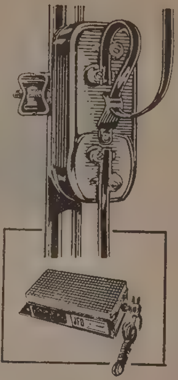
TRANSISTORIZED ANTENNA MOUNTED AMPLIFIERS

VHF-UHF-FM	VHF	UHF
$29.97	$23.97	$26.97

VUT-3. 3-Transistor VHF-UHF-FM Amplifier. Boosts gain 15 db on VHF. 12 db on UHF. 13 db on FM. For combination antennas feeding one down-lead to a single set. Solid-state circuit for high signal-to-noise ratio. Power supply protected against lightning, power surges; has UHF-VHF-FM signal splitter. Weather-sealed printed circuit amplifier, 6½x2¼x2½", mounts on antenna crossarm or mast. Power supply, 3x4¾x1¾", mounts behind TV set. For 110-120 v., 60 cycle AC. U.L. Listed. 1½ lbs.
91 U 096. *$5 Monthly*..........29.97

VT-2. 2-Transistor VHF Amplifier. Similar to above, but VHF TV only for 2 sets. Ideal for color—gain varies less than .25 db per channel. Up to 16 db gain. 110-120 v., 60 cycle AC. Shpg. wt., 1½ lbs.
91 U 195. *$5 Monthly*..........23.97

UHT-2. 2-Transistor UHF Amplifier. For single set use on channels 14-83. Has two low-noise transistors for high signal-to-noise ratio and 12 db gain across the UHF band. For 110-120 v., 50-60 cycle AC. Wt., 1½ lbs.
91 U 500. *$5 Monthly*..........26.97



Mosley TV, FM, CB INSTALLATION ACCESSORIES

WALL MOUNTING ANTENNA OUTLETS

A

B

USH-MOUNTING TV-FM WALL ATES. Ivory-colored plastic wall with built-in receptacles and ing plugs for TV or FM twin-line tator cables. Can be flush-mounted ll or over std. electrical outlet box bracket supplied. Twin-line plugs ed are Type 303; 4-wire rotator are 374; 5-wire rotator plugs are Type FD-1PK wall plate is anti-ype—has built-in switch to elimi-eed for phasing stub or open-end sses when more than one plate is ted to the same twin-line. 6 oz.

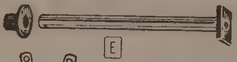
k	Type No.	Connections For	EACH
010	F-1PK	1 twin-line	1.22
087	*FD-1PK	1 twin-line	1.32
008	F-11PK	2 twin-lines	1.68
006	F-14PK	1 twin-line, 4-wire rotor	2.21
026	F-114PK	2 twin-lines, 4-wire rotor	2.21
88	F-15PK	1 twin-line, 5-wire rotor	2.37
89	F-115PK	2 twin-lines, 5-wire rotor	2.58

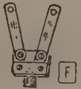
SH-MOUNTING TV-FM WALL TES WITH PROVISION FOR AC S. Ivory-colored plastic wall plates provision for duplex AC outlet cle and with built-in receptacles atching plugs) for TV or FM twin-d rotator cables. Metal barrier supplied for approved mounting dard 2-gang electrical outlet box. ne plugs supplied are Type 303; plugs are Type 374; and 5-wire are Type 375. Multiprong con-n and spacing for polarization on lugs prevents accidental insertion C outlet. With hardware and in-on instructions. Av. shpg. wt., 6 oz.

02	AC-1PK	1 twin-line	1.24
85	AC-11PK	2 twin-lines	1.70
03	AC-14PK	1 twin-line, 4-wire rotor	2.27
86	AC-114PK	2 twin-lines, 4-wire rotor	2.75
87	AC-15PK	1 twin-line, 5-wire rotor	2.50
88	AC-115PK	2 twin-lines, 1—5-wire rotor	2.97

C

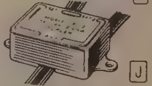
D


E


F

G

MOSLEY PC-4 4 SET ANTENNA COUPLER
H


J

C **TYPE 343-PK TRANSMISSION LINE SOCKET WITH PLUG.** Solderless socket mounts on baseboard or wall. With solderless twin-line plug and mounting screws. Ivory. Wt., 2 oz.
91 U 004..........67¢

D **TYPE 304-PK ANTENNA CONNECTOR.** Fits TV antenna terminals. With solderless connector for lead-in. 2 oz.
91 U 430..........41¢

E **TYPE 625 WALL-THRU INSULATOR.** For round of flat twin-line. Fits walls up to 13" thick. Includes polystyrene tube 14" long, inside plate and outside cap. Socket 343-PK, above, may be installed on inside plate. Ivory plastic. 1 lb.
91 U 022..........1.29

F **TYPE 263S "Y-TY".** Solderless strain-relief connector. 4" wide. 2 oz.
91 U 024..........43¢

G **TYPE F-42 2-WAY ANTENNA SWITCH.** Selects either of 2 antennas. Maintains 300-ohm impedance. Ivory. 8 oz.
91 U 571..........1.36

H **TYPE PC-4 4-SET COUPLER.** Distributes signal to any combination of 4 TV or FM sets without interaction. 4 oz.
91 U 287..........3.13

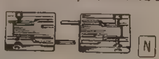
J **TYPE PC-2 2-SET COUPLER.** Distributes signal to any combination of 2 TV or FM sets without any interaction. With mounting screws. Wt., 3 oz.
91 U 288..........1.42

LINE PLUGS, SOCKETS, CONNECTORS

K

L

M


N

P

R

A wide selection of solderless plugs, sockets, and connectors. Specially designed for use with flat antenna twin-line and multiple conductor rotor cables. Easy to assemble without soldering—just strip wires, insert, then tighten screws. Provide sure, fast contact, permit quick connect and disconnect. All are molded of low-loss polystyrene for constant impedance. All units listed are clear except *ivory color. †Pair. Av. shpg. wt., 2 oz.

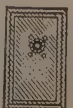
Stock No.	Type	Fig.	Description	EA.
91 U 482	27-S	K	Twin-line splicer	13¢
91 U 483	*303	R	Male twin-line	21¢
91 U 495	†321	N	Polarized splicer	39¢
91 U 506	311	L	Female twin-line	21¢
91 U 511	301	M	Male twin-line	21¢
91 U 020	*364	P	Female 4-wire	94¢
91 U 019	*374	R	Male 4-wire	50¢
91 U 520	*365	P	Female 5-wire	78¢
91 U 521	*375	R	Male 5-wire	61¢

COAXIAL CABLE ACCESSORIES FOR HAM, TV AND CB

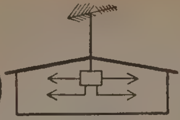
625-C COAX WALL-THRU

Identical to standard Type 625 wall-thru unit listed above, but has standard Type SO-239 coaxial cable receptacle on inside plate. Designed for use wherever direct entrance and termination of coaxial cable lead-in is desired. Ivory plastic ends. Shpg. wt., 1 lb.
91 U 534..........2.40

COAXIAL WALL PLATES. Ivory flush mounting plates fit standard outlet box or in wall. Have SO-239 coaxial receptacles alone, or with rotor cable receptacles and matching plug. With wall mounting bracket, screws, instructions. 8 oz.



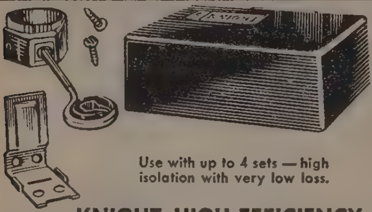
Stock No.	Type	Description	EACH
91 U 595	C1-PK	1 coax outlet	2.07
91 U 596	C2-PK	2 coax outlets	3.71
91 U 597	CR-4PK	1 coax, 4-wire rotor	3.07
91 U 598	CR-5PK	1 coax, 5-wire rotor	3.34
91 U 599	CR-8PK	1 coax, 8-wire rotor	3.66



Up to 4 Sets
on 1 Antenna

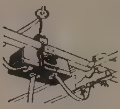
TV-FM Couplers, Splitters, Arresters

These accessories can significantly add to your TV viewing and FM listening enjoyment. Select a splitter to unite or divide UHF and VHF signals from one or more antennas. Choose a coupler when connecting more thai one receiver to a single antenna. Both may be mounted anywhere—inside or outside. Al have stripless 300-ohm terminals.

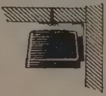


Use with up to 4 sets — high isolation with very low loss.

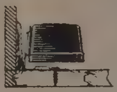
SPECIALLY ENGINEERED TO MOUNT ANYWHERE



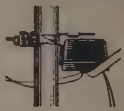
On Antenna Boom



On Roof Eave



On the Floor



On Antenna Mast

On V
Or O

KNIGHT HIGH-EFFICIENCY COUPLERS AND SPLITTERS FOR UHF, VHF, AND FM

2-SET VHF COUPLER. Low-loss transformer type. Couples two TV or FM receivers, or a combination of both, to one antenna. For applications where excessive signal loss would seriously degrade TV or FM receiver performance. Has stripless terminals for easy installation. 4x1½x1". With mtg. hardware. 8 oz.
91 U 152..1.89

4-SET VHF COUPLER. Special low-loss circuitry. Couples up to four TV or FM receivers, or any combination of both, to one antenna. For use in areas requiring minimum signal loss to avoid degrading receiver performance. Stripless terminals for easy installation. 4x1½x1". With mtg. hardware. 8 oz.
91 U 157..2.79

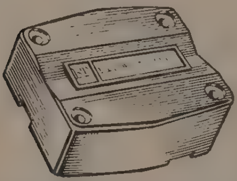
VHF-UHF SINGLE-SET SPLITTER. Features low insertion loss ar isolation. For coupling UHF and VHF antennas to one dow Also splits UHF and VHF signals for separate receivers. 2 o 1 UHF and 1 VHF. 4x1½x1". With hdwe. 8 oz.
91 U 158..

VHF-UHF TWO-SET SPLITTER. As above, but 4 outlets; 2 UHF, 2
91 U 161..

VHF-TV-FM SINGLE-SET SPLITTER. Couples FM and VHF-TV nas to one down-lead. Also splits FM and TV signals for se receivers. Stripless terminals. With hdwe. 4x1½x1". 8 oz.
91 U 165..

BLONDER TONGUE

COUPLERS & SPLITTERS FOR UHF-VHF TV AND FM



- Couplers for Every TV or FM Application
- Provide Excellent Isolation Between Sets
- Easy to Install—Feature No-Strip Terminals

A-102U/V 2-SET UHF/VHF COUPLER. Has one input from antenna and two combination UHF/VHF outputs. Feeds UHF-VHF signal (channels 2 to 83) from single down-lead to 2 TV sets, each having a single UHF-VHF antenna input. Provides 12 db isolation between sets. Only 3 db signal loss. No-strip 300-ohm terminals. Size, 1¼x2⅞x2¼". Shpg. wt., 5 oz.
91 U 078........................2.20

A-104U/V 4-SET UHF/VHF COUPLER. Has one input from antenna and four combination UHF/VHF outputs. Feeds UHF-VHF signal (channels 2 to 83) from a single down-lead to up to four TV sets, each having a single UHF-VHF antenna input. Provides 12 db isolation between sets. 7.5 db loss. No-strip 300-ohm terminals. Size, 1¼x2⅞x2¼". Shpg. wt., 5 oz.
91 U 076........................3.18

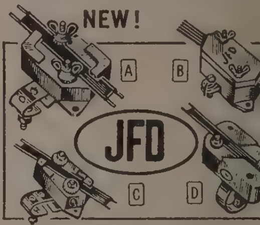
A-105 HIGH-LOW VHF TV SPLITTER. For connecting one low-band and one high-band VHF TV antenna to a single down-lead. Has 21 db isolation between low and high band. Only 7.5 db insertion loss. No-strip 300-ohm terminals. Size, 1¼x2⅞x2¼". Shpg. wt., 5 oz.
91 U 079........................3.77

A-107 UHF/VHF TV SPLITTER. For connecting one UHF and one VHF TV antenna to a single down-lead. Can also be used to split signal from a single antenna for feeding a TV set with separate UHF and VHF antenna input terminals. 15 db isolation; 0.5 db insertion loss. No-strip 300-ohm terminals. Size, 1¼x2⅞x2¼". 5 oz.
91 U 432........................3.33

"COLOR-4" 4-SET VHF COUPLER. High efficiency transformer-type coupler—ideal for color TV receivers. Feeds 4 VHF TV or FM receivers, or any combination of both, from one down-lead. 14 to 26 db isolation; 6.5 db insertion loss. No-strip 300-ohm terminals. 1¼x2⅞x2¼". Shpg. wt., 5 oz.
91 U 431........................7.15

JFD SS82 3-WAY SPLITTER. Not illus. For antennas with single down lead. Feeds separate signals to VHF, UHF, and FM antenna terminals. 5 oz.
91 U 238..4.51

JFD LIGHTNING ARRESTI



A **AT-110S TUBULAR LINE ARRE** For all tubular twin-line. hanger strap. U.L. listed. 8 oz.
91 U 001........................

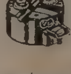
B **AT-104S ROTATOR LINE ARRE** Handles 4-wire lead-ins. 8 ev spaced teeth make positive co with conductors. With ground lug. listed. 8 oz.
91 U 109........................

91 U 094. AT106S. As above, bu 5-wire lead-ins. U.L. listed. 8 oz...

C **AT-105S UNIVERSAL ARRESTER.** be mounted on mast or pipe. hanger strap. U.L. listed. 15 oz.
91 U 110........................

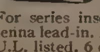
D **AT-102S FLAT LINE ARRESTER.** flat-type twin lead. Waterp Hanger strap, 4' ground wire, h ware. U.L. listed. 15 oz.
91 U 530........................

G-C TELCO TV ARRES



8642. Use with any tv line. Single screw mtg. U listed. 6 oz.
91 U 082........................7

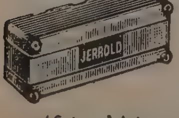
RADIO LIGHTNIN ARRESTER



For series insertion in single-wire tenna lead-in. Moisture-proof porcel U.L. listed. 6 oz.
91 U 091........................2

JERROLD

VHF/UHF TV AND FM COUPLERS



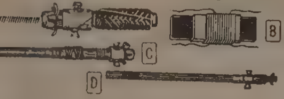
- 4 Sets on 1 Antenna
- Positive Matching
- Extremely Low Loss
- Stripless Terminals

Feed 2, 3 or 4 TV or FM radios, or any combination of both, from one antenna. Offer full isolation between AC-DC sets and antenna. Provide extremely low loss and positive matching for best performance. Easy to install—no stripping, just insert twin-lead and tighten screw. Weatherproof ivory polystyrene case. 4⅛x1⅜x1¼". 300 ohms. 8 oz.

91 U 319. UF-2. For feeding 2 UHF sets from 1 antenna. 2.65
91 U 149. MF-2. For fringe VHF TV/FM; 2 sets........2.70
91 U 150. MF-4. For VHF TV/FM; 3 or 4 sets.........3.45

AM Antennas, Vibrators, TV Service Aids

SUPEREX HIGH-GAIN AM LOOPSTICK ANTENNAS



/LT-240 **TRANSISTOR VARI-LOOPSTICK.** Has impedance tap; micrometer adjust- t with knob. Simplified, one-hole snap- ounting. For use with 365 mmf or 410 variable tuning capacitor. Size, 7⁄16x2". :. wt. 4 oz.
286 . . . . **73¢**

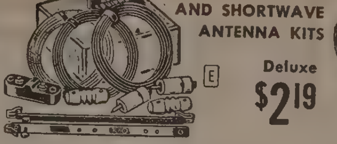
LAT LOOPSTICK. High-Q flat loopstick or AM radios. Adjustable to match nese tuning capacitors. 2 5⁄16" long. . wt., 4 oz.
043 . . . . **59¢**

LOOPSTICK (Not illustrated.) For AM lcast sets. "Q" of 250. Adjustable e core. Snap-in mounting. 7⁄16x2¼". 4 oz.
060 . . . . **59¢**

ENERGIZED" FERRI-LOOPSTICK. This 5" oopstick has a "Q" of up to 350. Adjust- coil with self-locking collar. Single- nounting. ⅜x5". 6 oz.
062 . . . . **88¢**

LOOPSTICK. Same as "energized" opstick above, but has 7" length for er sensitivity. "Q" to 425. 6 oz.
063 . . . . **1.32**

BROADCAST BAND AND SHORTWAVE ANTENNA KITS



Deluxe **$2.19**

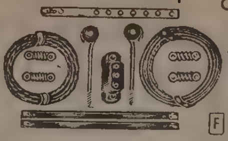
DELUXE BC/SW ANTENNA KIT

E Complete shortwave and broadcast band kit "pulls in" difficult-to-receive stations. Kit includes 100-ft. 7x26 bare copper wire; 40-ft. lead-in; 25-ft. heavy-gauge ground wire; 2 insulators; window lead-in; lightning arrester; 2 nail knobs; ground clamp; with complete instructions. Shpg. wt., 2½ lbs.
91 U 239 . . . . **2.19**

STANDARD BC/SW ANTENNA KIT

Makes an efficient 50' antenna. Includes 50' 7x26 bare copper wire; 25' lead-in; 2 antenna insulators; screw-type standoff insulator; ground clamp. 1½ lbs.
91 U 207 . . . . **98¢**

BUILD YOUR CHOICE OF THREE ANTENNAS



$4.59

ANTENNA KITS BY CONSOLIDATED

F **MODEL 615.** Contains all parts and wire for any one of these antennas; balanced doublet, double doublet, or inverted-L. Includes 100' of bare antenna wire, 50' insulated transmission line, 4 ceramic insulators, 2 screw eyes, lightning arrester, lead-in strip, and ground clamp. With instructions. Shpg. wt., 3¼ lbs.
91 U 084 . . . . **4.59**

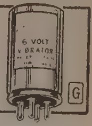
DOUBLET ANTENNA

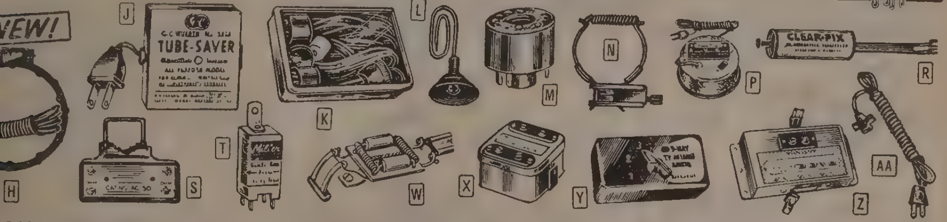
PREASSEMBLED

MODEL 635. Preassembled and soldered doublet antenna. Two 30' antenna wires, 50' lead-in, 10' ground wire, three 3" insulators, ground clamp, lead-in tube, 2 knob insulators. Shpg. wt., 3¼ lbs.
91 U 085 . . . . **3.98**

G MALLORY AUTO RADIO VIBRATORS

Auto radio vibrators for general replacement use. ½x2⅞". 8 oz.
91 U 280. 4-4. For 6-volt systems. 4-pin plug **1.37**
91 U 281. 12-3. For 12-volt systems. 3-pin plug **1.46**
91 U 282. 12-4. For 12-volt systems. 4-pin plug **1.46**





C 2592 COLOR-TV DEGAUSSING COIL. emagnetizes picture tube and chassis rect color impurities. Plastic 7" coil e cord for 110-120 v., AC, pushbutton . Shpg. wt., 10 oz.
048 . . . . **5.83**

C 25-898 TUBE SAVER. Protects tubes ainst voltage surges. Plugs into AC —set plugs into tube-saver. 2¾x2½x 110-270 watts. For 110-120 v., AC- oz.
210 . . . . **3.23**
211. Model 25-900. As above, but 250-400 watts. Wt., 12 oz. **3.89**

K-302 CRT EXTENSION HARNESS KIT. pedites testing of any black-and- picture tube. Consists of 3-ft. anode on harness; 4-ft. CRT socket harness h electrostatic and magnetic tubes; tal yoke harness. 10 oz.
035 . . . . **3.18**

AC-1 CRT HI-VOLTAGE CONNECTOR. ond anode connector. Silver-plated r low-loss. 1½" rubber cap. 18" wire oz.
34 . . . . **35¢**

MA-POWER B-101 HORIZONTAL BAR NERATOR. Provides series of hori- lines for checking picture linearity. setting of deflection yoke and focus. odecal socket. 1½x1½". 5 oz.
77 . . . . **1.72**

MILLER 6295 ADJUSTABLE ION TRAP. versal ion trap. Replaces single trap -55 gausses. 6 oz.
03 . . . . **88¢**

P **PERMA-POWER D200 "AUTOMATIC" VOLTAGE REGULATOR.** Automatically controls line voltage for TV sets, hi-fi systems, etc. Useful in areas where line voltage is consistently low. Automatically boosts voltage 10 volts when line voltage goes below 110. 300-watts capacity. For 110-120 v. 60 cycle AC. 4¾x4¾x2¼". Wt., 2½ lbs.
91 U 224 . . . . **5.85**

MODEL D101 LINE VOLTAGE REGULATOR. As above, but has 3-pos. manual switch for boosting or lowering voltage. 2¼ lbs.
91 U 221 . . . . **4.09**

R **SUPEREX "CLEAR-PIX" INTERFERENCE FILTERS.** Choice of units to overcome TV interference from various sources. For TV sets using 300-ohm twin lead. 5 oz.

Stock No.	Type	Attenuates	EACH
91 U 066	CPH	21 mc Amateur	1.17
91 U 068	CPF	Strong FM station	
91 U 067	CPI	Ignition or similar	
91 U 065	CPC	Citizens Band	

S **JFD MT-50 IMPEDANCE MATCHING TRANSFORMER.** Matches 72-ohm cable to 300-ohm TV set or transformer line. Mast mounting. 1 lb.
91 U 289 . . . . **2.32**

T **MILLER ANTENNA TRANSFORMERS.** Permits use of low-loss 52 or 72 ohm coaxial cable on 300 ohm receiver inputs. Two required: one at antenna, one at receiver. For indoor or outdoor use. Size, ¾x¾x1⅜". Shpg. wt., 3 oz.
91 U 306. Type 6161. 52 ohms.
91 U 309. Type 6162. 72 ohms. . . Each **1.91**

W **REGENCY HP-45 HIGH-PASS FILTER** Blocks harmonic interference from frequencies below VHF TV band. 20 db attenuation at 29 mc, 40 db below 14 mc. With mounting bracket. 1⅛x⅞". 2 oz.
91 U 315 . . . . **99¢**

X **R. L. DRAKE TV-300-HP HIGH-PASS FILTER.** Eliminates or reduces interference caused by police, Amateur (including 6-meter), Citizens Band, diathermy. 40 db attenuation, 0 to 52 mc. Attaches to 300-ohm antenna terminal. Size, 2½x2½x1¼". Shpg. wt., 8 oz.
91 U 160 . . . . **3.97**

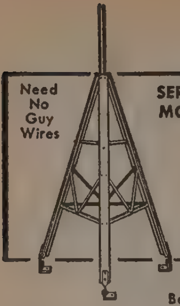
Y **JFD MODEL AS3 ANTENNA SWITCH.** Selects any one of 3 antennas. Rotary switch; silver contacts. 300-ohm impedance. 1¾x5x2". Wt., 2 lbs.
91 U 112 . . . . **2.91**
91 U 291. JFD Model AS1. As above, but has bat handle switch. Wt., 1 lb. **2.32**
91 U 305. JFD Model AS2. 2-antenna switch. Slide switch. Wt., 1 lb. **1.73**

Z **TACO MODEL 835 SELECTIVE ATTENUATOR.** Reduces TV or FM signals causing distortion in your receiver by over-driving. Positions: 0 db for full-strength reception; 15 db for medium attenuation; 30 db for maximum. 300-ohms. 4½x2¼". Shpg. wt., 5 oz.
92 U 046 . . . . **2.97**

AA **TV POWER CORD AND CONNECTOR.** Identical to original equipment on most sets. 9 ft. long. U.L. Listed. 8 oz.
91 U 045 . . . . **36¢**

91 U 046. 6-Ft. Cord and Connector. As above, but 6-ft. long. 6 oz. . . . . **30¢**

TV Antenna Towers, Mounts, Mas



SERIES RM ROOF MOUNT TOWERS

As Low As
$7.10

- Fit Any Roof
- Easy to Install
- Long Lasting

Made from
Beaded Channel
Leg Material

Self-supporting; no guys needed when securely anchored to roof. 3 hinged feet fit any roof; antenna is assembled and "walked-up" into place. Galvanized, beaded steel channel withstands rough weather. Packages include tower with mast and mast kit (RM4 and RM8 less mast). Mast recesses 2 feet into tower. Permit antenna heights of 10 ft. or 14 ft. above roof. Shipped knocked down, assemble quickly and easily. With complete instructions.

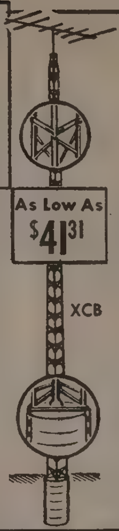
92 U 358 ZF. RM4-8. 4-ft. tower, 8-ft. mast, mast kit. 23 lbs.........9.48

92 U 359 ZF. RM4. 4-ft. tower, mast kit. 16 lbs.....................7.10

92 U 364 ZF. RM8-8. 8-ft. tower, 8-ft. mast, mast kit. 35 lbs..........15.74

92 U 365 ZF. RM8. 8-ft. tower, mast kit. 28 lbs......................13.36

SPAULDING



SERIES XCB CYLINDER-BASE STRATO-TOWERS

Need No Concrete Foundation—Set into Cylinder Base

Lightweight, high-strength, self-supporting towers. Assemble on ground or vertically. Special "culvert base" for quick, one-man installation. All-riveted 100% galvanized steel. Top holds any rotor. With base, adjustable hinge feet, 8-ft. mast and factory-assembled 8-ft. tower sections.

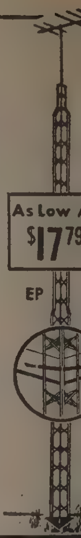
Stock No.	Type	Ant. Ht.	Sections	Lbs.	EACH
92 U 294 ZF	X28CB	23'	2	122	41.31
92 U 295 ZF	X36CB	31'	3	149	62.91
92 U 058 ZF	X44CB	39'	4	174	71.75
92 U 059 ZF	X52CB	47'	5	219	87.69
91 U 832 ZF	X60CB	55'	6	282	103.66

SERIES EP "ECONOMY-PACK" STRATO-TOWERS

Easy to Install on Ground or Roof-Top

Include listed quantity of 8-ft. zinc-plated steel tower sections, ground plate with stakes, 8-ft. mast kit. Mount with house bracket or roof mount (not supplied), below. Require guying if room-mounted or over 16 ft. above house bracket.

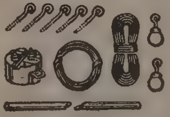
Stock No.	Type	Ant. Ht.	Sections	Lbs.	EACH
92 U 542 ZF	EP-1	14'	1	28	17.79
92 U 541 ZF	EP-2	22'	2	51	26.18
92 U 540 ZF	EP-3	30'	3	71	32.95
92 U 535 ZF	EP-4	38'	4	90	41.19
92 U 534 ZF	EP-5	46'	5	109	49.44
92 U 543 XF	EP-R1	Roof Base		2	3.27
92 U 544 XF	EP-H1	House Bracket		5	4.11



Note

Spaulding towers are shipped truck F.O.B. Frankfort, Indiana. No. C.O.D. orde
—send full remittance or use Allied's Credit Fund Plan. Send full shipping addre
—no Post Office box numbers. Shipping charges collected on delivery.

ANTENNA INSTALLATION KITS

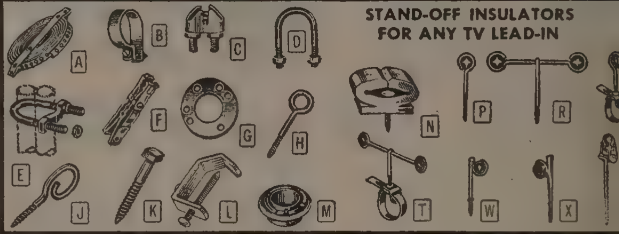


With Masts
$3.59

VHF. Three 3' galvanized mast sections; 300-ohm 100' twin line; lightning arrester; 5 screw-in, 2 mast standoffs; 20' ground wire.
92 U 018 XW. Wt., 6¾ lbs...3.59

UHF. Same as above, but has 100-ft. foam-type twin line.
91 U 017 XW...............5.95

STAND-OFF INSULATORS FOR ANY TV LEAD-IN



A HANGER STRAP. Mounts masts to odd-shaped objects. ¾" perforated galvanized steel strapping. 12' coil. 1 lb.
91 U 107......................Each 39¢

B RING CLAMP. Supports guy ring on mast. Corrosion-resistant steel. Provides slip-proof grip. Fits mast O.D. shown below. Pkg., 3 oz. 5 per pkg.
91 U 120. ¾"-1"..............Per Pkg. 32¢
91 U 121. 1"-1¼"..............Per Pkg. 34¢

C CABLE CLAMP. Provides non-slip grip on guy wire ends. Fits cables to 3⁄16" dia. ⅞x 7⁄16". Pkg., 4 oz. 2 per pkg.
91 U 404...................Per Pkg. 33¢

D U-BOLT. Galvanized steel. With nuts and washers. Fits masts to 1½" O.D. Pkg. wt., 4 oz. 2 per pkg.
91 U 122...................Per Pkg. 24¢

E MAST CLAMP. Tight-grip yoke. For 2 masts, max. O.D. 1⅜" each. Galvanized steel. Pkg., 4 oz. 2 per pkg.
91 U 123...................Per Pkg. 34¢

F ANTENNA CLIP. Clips lead-in to antenna termls. Pkg., 10 oz. 4 per pkg.
91 U 405...................Per Pkg. 48¢

G GUY RING. Rests on ring clamp. For 1¼" O.D. masts. Pkg., 10 oz. 5 per pkg.
91 U 124...................Per Pkg. 34¢

H CLOSED HOOK EYE. Anchors guys. 5" long. Pkg., 10 oz. 5 per pkg.
91 U 126...................Per Pkg. 26¢

J OPEN HOOK EYE. Anchors guy wires. Screws into wood. Galvanized steel. Pkg., 10 oz. 5 per pkg.
91 U 125...................Per Pkg. 28¢

K LAG BOLTS. Made of heavy cadmium-plated steel. ¼" diameter shank. Bolts rigidly secure mounts, bases, etc. to wood, brick and many other kinds of surfaces. Pkg., 5 oz. 10 per pkg.
91 U 117. 1½" Long.......Per Pkg. 44¢
91 U 118. 2" Long............Per Pkg. 52¢

L GROUND CLAMP. For secure connection to water pipes up to 1¼" dia. Screw terminal for ground wire. 4 oz.
91 U 433. Pkg./2............Per Pkg. 33¢

M FLOATING GUY RING. Heavy galvanized steel ring fastens easily and quickly with set screw. Permits guyed mast to be rotated. Takes 3 or 4 guys on any mast to 1⅜". Shpg. wt., 8 oz.
91 U 296......................Each 1.24

91 U 311. As above, but for masts up to 1¾" O.D. Wt., 9 oz.............Each 1.35

N WALL STAND-OFFS. Secure twin-lead to baseboards, walls, etc. Pack-in type. Pkg., 10 oz. 10 per pkg.
91 U 119...................Per Pkg. 57¢

P UNIVERSAL STAND-OFFS. For any TV lead-in. Polyethylene insulation. Screw-in type. Pkg., 10 oz. 5 per pkg.
91 U 127. 3½" Long........Per Pkg. 16¢
91 U 128. 5½" Long.........Per Pkg. 19¢
91 U 129. 7½" Long.........Per Pkg. 26¢

R DOUBLE STAND-OFFS. Wood-screw hold two leads. For any TV le
Pkg., 10 oz. 5 per pkg.
91 U 132. 3½" Long........Per Pkg.
91 U 133. 5½" Long.........Per Pk
91 U 134. 7½" Long.........Per Pk

S STRAP-TYPE SINGLE STAND-OFFS. N on mast. For any lead-in. Fit up masts. Pkg. wt., 6 oz. 3 per pkg.
91 U 137. 3½" Long........Per Pkg.
91 U 138. 5½" Long.........Per Pk
91 U 139. 7½" Long.........Per Pk

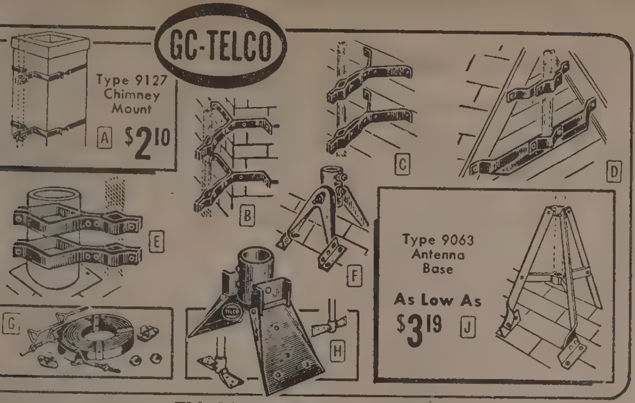
T STRAP-TYPE DOUBLE STAND-OFF above, but hold two lead-ins. Clar to 3" mast. Pkg., 8 oz. 3 per pkg.
91 U 135. 3½" Long........Per Pkg.
91 U 136. 7½" Long.........Per Pk

W DRIVE-IN STAND-OFFS. For all types in. 3½" long. Pkg., 5 oz. 5 per pkg
91 U 130...................Per Pk

X UNIVERSAL HOT NAIL STAND-OFF any lead-in. Hold in wood or morta starting hole is needed. 3½" long. Pkg. 5 per pkg.
91 U 131...................Per Pkg.

Y VHF-UHF STAND-OFFS. Take flat UHF line on one stand-off. Wood- type. Shpg. wt., 10 oz. 5 per pkg.
91 U 589. 3½"..............Per Pkg.
91 U 590. 5½"..............Per Pk
91 U 591. 7½"..............Per Pk

nd Installation Accessories



TV ANTENNA MOUNTS

All G-C TV antenna mounts are dipped in zinc and clear chromate. This dipping process makes mounts resistant to rust, and prevents roof discoloration.

127 CHIMNEY MOUNT. Sturdy mount
or low-cost antenna systems. Has stain-
steel strappings. Brackets are heavy-
ge steel, zinc-plated and dichromate-
ed for long life. Can be installed in
utes. Withstands high wind and very
re weather conditions. Easily adjusted
nug, firm grip. For masts up to 1¾″
With 2—10-ft. straps and hardware.
g. wt., 4 lbs.
113......................2.10

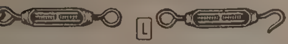
930 CHIMNEY MOUNT. Snap-in type.
or masts to 1¾″ O.D. Steel brackets
plated, dichromate-dipped. 2—12-ft.
less-steel straps. 4 lbs.
242......................2.24

308 SNAP-IN WALL MOUNT. Secures
ast 8″ from wall. Mast snaps in. Heavy-
e plated steel. One-man installation.
gned for masts to 1¾″ O.D. **2 per pkg.**
. wt., 4 lbs.
250..................**Per Pkg.** 1.59
249. Type 8306. As above, holds mast
om wall. 2½ lbs..................1.19

HEAVY-DUTY MOUNT. Above, holds
24″ from wall. Bracket legs spaced 16″
to match studs of homes. Heavy-
e steel zinc-plated and dichromate-
ed. Designed for masts to 1¾″ O.D.
. wt., 10 lbs.
130 XW......................3.58
129 XW. Type 8318. Above, 18″ wall
ance. 5 lbs......................2.[illegible]9
256. Type 8312. Above, 12″ wall
ance. 5 lbs......................1.87

933 EAVE MOUNT. Mounts antenna
ast on building eaves, 48″ lower bracket
dles building. Top bracket mounts on
. Zinc-plated and dichromate-dipped.
nasts to 1¾″ O.D. 5½ lbs.
504XW......................3.69

GUY WIRE TURNBUCKLES



-duty cast aluminum turnbuckles for
djustment of guy-wire tension. Types
ated in Fig. K are for use where quick
al is not required. All others can be
disconnected. Shpg. wt., per pkg., 8
per pkg.

k No.	Fig.	Closed	Open	PER PKG.
407	L	5½″	7⅝″	.59
408	L	6¾″	9¼″	.89
409	L	7½″	10½″	1.29
410	K	5½″	7⅝″	.59
411	K	6¾″	9¼″	.89
412	K	7½″	10½″	1.29

E **8803 VENT PIPE MOUNT.** Clamps to any pipe or vent from 4″ to 6″ in diameter. Perfect for antenna installations where chimney is inaccessible. Heavy-gauge steel. For all masts up to 1¾″ diameter. Zinc-plated and dichromate-dipped for rust protection. **2 per pkg.** 3 lbs.
91 U 351..................**Per Pkg.** 1.54

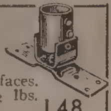
F **9060 "NO-GUY" ROOF MOUNT.** Steel and cast-iron base for up to 10-ft. mast. Needs no guys. Legs adjust to roof angle. For masts to 1½″ dia. 5 lbs.
91 U 251......................2.67

G **8932 CHIMNEY MOUNT REPAIR KIT.** 2—12-ft. stainless-steel straps with eye bolts, nuts, clamps. 2 lbs.
91 U 114......................1.94

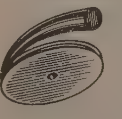
H **9021 HINGED ROOF MOUNT.** For peaked or flat roofs, walls. Extra heavy-gauge steel. For masts to 1½″. 3 lbs.
91 U 381......................1.08

J **9063 ANTENNA BASE.** For masts of 10 ft. or more and up to 1½″ O.D. Eliminates guy wires in most installations. Set-screws anchor mast and permit orientation. Electro-galvanized and dichromated. 2 ft. high. Shpg. wt., 7 lbs.
92 U 040 XW......................3.19
92 U 043 XW. 9144 Base. As above. 3 ft. high made of 1″ electro-galvanized steel tubing. Shpg. wt., 6½ lbs......................3.89
92 U 044UW. 9143 Base. Like Type 9144, but 5 ft. high. 15 lbs......................6.49

UNIVERSAL SWIVEL MOUNT. For telescoping masts (above, right). For flat, slanted, peaked horizontal or vertical surfaces. Fits masts to 2⅜″. 2½ lbs.
92 U 536......................1.48



COPPERWELD ANTENNA WIRE



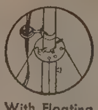
Durably made wire excellent both for antennas and for guying antenna towers and masts. Features copper outer conductor bonded to a steel core. Choice of sizes from 12 to 18 gauge.

Stock No.	Gauge	Feet	Lbs.	PER ROLL
91 U 357	12	100	2	2.89
91 U 358	12	250	5	6.50
91 U 359	14	100	1½	2.59
91 U 360	14	250	3	5.49
91 U 361	18	250	2	1.69
91 U 362	18	500	3	3.19

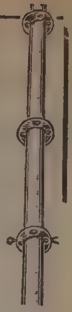
TELESCOPING TV ANTENNA MASTS

20-Ft. Mast $4.79

50-Ft. Mast $14.49



With Floating Guy Rings



- Made of High-Carbon Steel Tubing
- 1¼-oz. per Inch Zinc Plating
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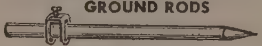

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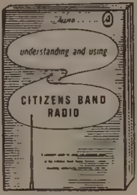

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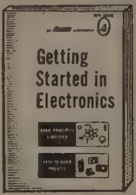

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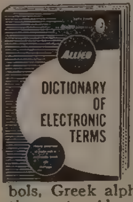

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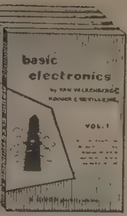

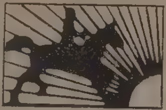

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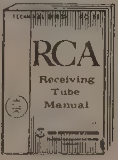

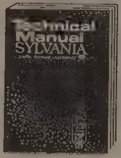

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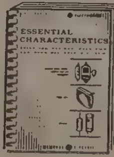

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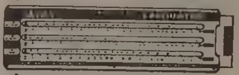

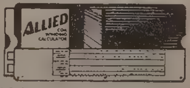

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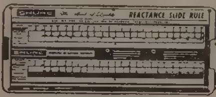

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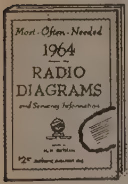

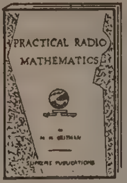

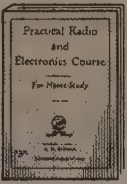

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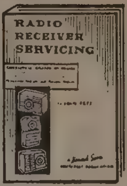

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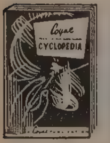

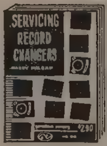

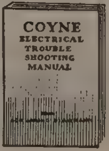

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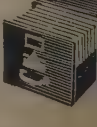

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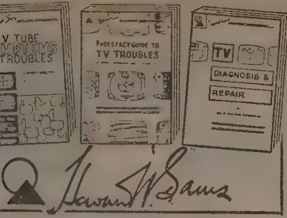

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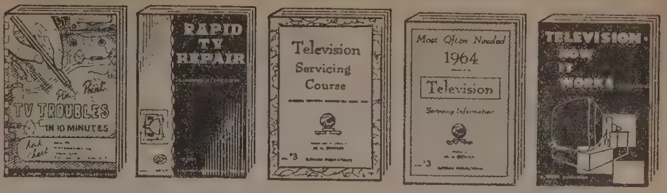

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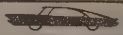

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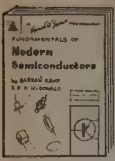

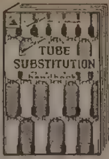

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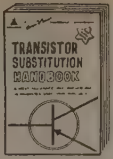

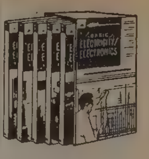

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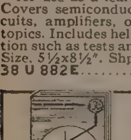

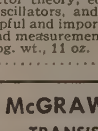

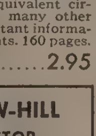

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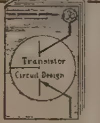

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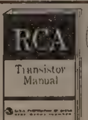

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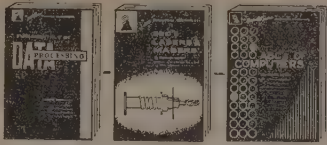

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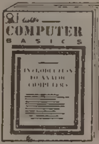

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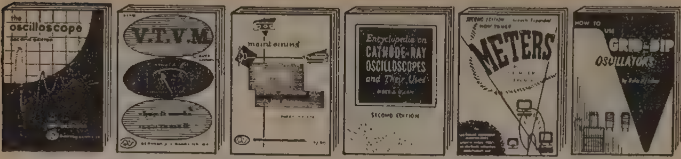
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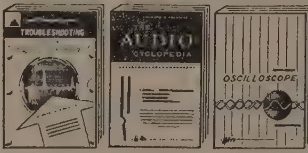

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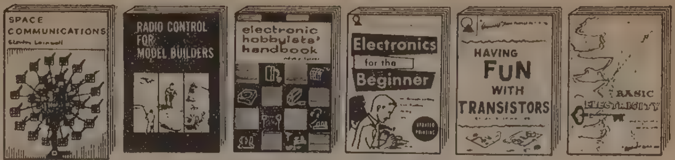
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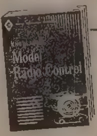

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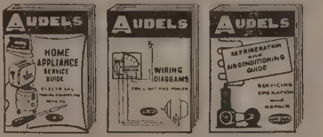
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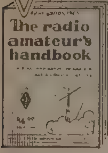

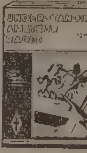

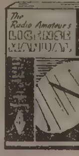

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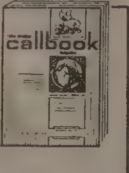

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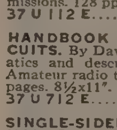

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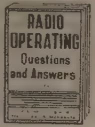

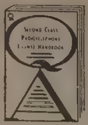

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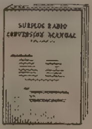

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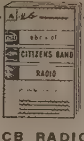

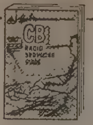

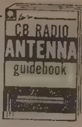

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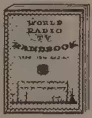
SHORTWAVE LISTENING BOOKS



WORLD RADIO-TELEVISION HANDBOOK. By O. Johanson. (Gilfer) Standard reference for shortwave. Lists all shortwave stations in the world, plus all medium and longwave stations in Europe, No. Africa, Near East. 168 pp. 6½x8½". 12 oz.
37 U 840 E............4.95

NEW GUIDE TO WORLD LISTENING. By O. Lund Johanson. Discusses such subjects as short waves, antennas, time zones, and more. Invaluable guide for anyone interested in shortwave listening. 84 pages. Size, 6¼x8½". Shpg. wt., 12 oz.
37 U 201 E........................2.75

ABC's OF SHORTWAVE LISTENING. By Len Buckwalter (Sams). A wonderful guidebook on how to add to your enjoyment of shortwave. 96 pages. 5½x8½". 5 oz.
37 U 717 E........................1.95

RADIO PRACTICES GUIDE

RADIO Handbook

RADIO HANDBOOK. (Editors and Engineers.) Up-to-date edition, specifically written for the Amateur, engineer, and technician, includes modern radio practice. Contains valuable reference materials, also hundreds of helpful pictures, diagrams, and charts. Presents subjects such as, basic electricity, AC and DC circuits, receiver fundamentals, and many more. An invaluable addition to your private library. Illus. With hard cover. 800 pages. 6½x9½". Wt., 3 lbs.
37 U 842 E........................9.50

NEWLY RELEASED DICTIONARY

RADIO-TELEVISION-ELECTRONICS DICTIONARY. By the "National Radio Institute Staff." An up-to-date compilation of well over 5,000 radio, television, and other electronic terms most often used. 168 pages. Size, 5½x8½". Shpg. wt., 6 oz.
37 U 105 E........................3.50

Howard W. Sams MODERN BROADCAST AND COMMUNICATIONS COURSES

MODERN COMMUNICATIONS COURSE

BROADCAST ENGINEERING NOTEBOOKS

VOL. 1—TELEVISION TAPE FUNDAMENTALS. Provides reader with full understanding of fundamental operating principles, applications, maintenance of video test gear. 256 pages. 5½x8½". 12 oz.
37 U 720 E........................5.95

VOL. 2—AM-FM BROADCAST OPERATIONS. By Harold E. Ennes. Covers technical operations of radio stations from the operator's point of view. Includes the layout of control rooms and remote equipment. Also included are proper procedures for operations and FCC Rules and Regulations. 256 pages. 5½x8½". Shpg. wt., 11 oz.
37 U 721 E........................5.95

VOL. 3—AM-FM BROADCAST MAINTENANCE. By H. E. Ennes. Vital information on the care, use, and repair of virtually all major broadcasting equipment. 256 pages. 5½x8½". Shpg. wt., 11 oz.
37 U 722 E........................5.95

VOL. 4—TV BROADCAST OPERATIONS AND MAINTENANCE. By H. E. Ennes. Operation of TV broadcast systems, including maintenance. 288 pp. Size, 5½x8½". Shpg. wt., 11 oz.
37 U 119 E........................5.95

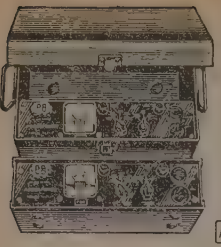
MODERN COMMUNICATIONS COURSE

VOL. 1—RADIO-FREQUENCE SYSTEMS. By E. M. Noll. Course in communications technology. Covers transmitters, operating principles and practices of class C equipment. Experiments included. 256 pages. 5½x8½". Shpg. wt., 12 oz.
37 U 723 E........................4.95

VOL. 2—AM MODULATION SYSTEMS. By E. M. Noll. Full discussion of amplitude modulation systems used in transmitters. Contains 8 Chapters with descriptive experiments offering practical knowledge and skills. 272 pages. 5½x8½". 12 oz.
37 U 724 E........................4.95

VOL. 3—FM AND MULTIPLEX MODULATION SYSTEMS. By E. M. Noll. Every phase of FM, multiplex and pulse modulation systems. With descriptive experiments, and review questions. 224 pp. Size, 5½x8½". Shpg. wt., 11 oz.
37 U 725 E........................4.95

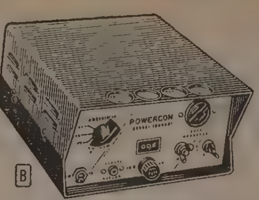
COMPLETE MODERN COMMUNICATIONS COURSE. Vols. 1-3 in a sturdy slipcase. Buy set, save $1.90. 2½ lbs.
37 U 726 E........................12.95

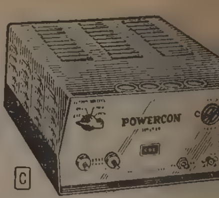


Inverters and Power Supplies

CDE

Cornell-Dubilier "Powercon"
Square Wave and Sine Wave
DC-to-AC Inverters





A "PORTAPOWER" COMBINATION DC-TO-AC INVERTER/BATTERY CHARGER

Converts the power of a 12-volt storage battery into 115-volt, 60 cycle AC. Just connect "Portapower" to 12-volt battery—then plug any 115-volt AC appliance using up to 150 watts of power into outlet on "Portapower." Appliance can be operated up to 12 hours. When a commercial AC power source is available, plug "Portapower" in, and battery can be quickly recharged. Type 12SC heavy-duty square-wave inverter and a controlled or rapid ch circuit in a cabinet with charging cord. Type 12PP14 is a metal carrying case containing 12SC14 power unit and spa several popular battery sizes (supplied less battery).

Stock No.	Mfr's Type	Typical Applications	Input VDC	Watts		Size	Wt., Lbs.	EA
				Cont.	Int.			
94 U 411 U	12SC14	For car: large tape recorders, PA systems	12	140	170	15½x11x5⅝"	19	65
94 U 412 U	12PP14	As above but with carrying case and cables	12	140	170	9x13x9½"	24	74

B STANDARD DC-TO-AC INVERTERS WITH SQUARE WAVE OUTPUT

Wide selection of efficient, vibrator-type inverters for operating AC appliances from automobiles, ships, commercial DC power lines, or other DC sources. Output is 115 volts, 60 cycle AC with excellent stability under various loads. High capabilities for intermittent overloads; wattage figures for intermittent use are rated for power factors from 70 to 100%. Superior filtering and mechanical design assure hash-free TV, shortwave and FM. start instantly—even under heavy load—no warmup req Conservatively rated. In table, all are Fig. B except * whic similar but without finger holes.

94 U 413	12A4*	Test gear, dictaphones, phonos, shavers	12	40	50	6¼x4⅛x3⅜"	6	1
94 U 414 X	12A6*	CB gear, larger dictaphones, small amplifiers	12	60	75	6¼x4⅛x3⅜"	12	3
94 U 415 X	12B8	Small recorders & TV sets, stereo amplifiers	12	80	100	8¾x7⅝x3⅞"	12	3
94 U 416 X	12B10	Office machines, calculators, typewriters	12	100	125	8¾x7⅝x3⅞"	14	4
94 U 417 X	12TV12	11" portable TV, radios, phonos, appliances	12	120	140	8¾x7⅝x3⅞"	16	3
94 U 418 U	12D15	Small induction soldering guns, office machines	12	150	175	10⅜x9⅞x5½"	26	6
94 U 419 U	12D22	Multi-use: camp trailer, small tools, CB, TV	12	220	250	10⅜x9⅞x5½"	31	8
94 U 420 U	28D15	Aircraft, marine, others using 28 v. DC	28	150	175	10⅜x9⅞x5½"	26	7

C DC-TO-AC INVERTERS WITH REGULATED SINE-WAVE OUTPUT

Similar to above, but have added reactor and capacitors to form true sine-wave output indistinguishable from commercial power. May be used portable or permanently mounted with optional a sory kits (below). Automatic load regulation; extremely low

94 U 421 U	12DSW10	Like utility power; any PF load above 25%	12	100	125	10⅜x9⅞x5½"	22	7
94 U 422 U	12ESW25	SSB, large PA systems, 100-watt amplifiers	12	250	300	12¼x9⅞x5½"	31	10

ACCESSORY KITS FOR POWERCON INVERTERS

Type MK Mounting Kits. Heavy plate has flanges for bolting inverter case to bulkhead, wall or floor. Supplied with bolts, nuts, washer, and instructions. Av. shpg. wt., 2½ lbs.

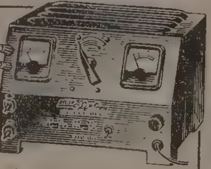
Type LK Wire Lead Kits. Dual 16-ft. cables with heavy lugs to fit under battery clamp screw or starter solenoid. Wire sizes: LK-1016, No. 10; LK-816, No. 8; LK-616, No. 6. Wt., 3½ lbs.

Type RK-112 Remote Control Kit. Control head for underdash or mounting. Contains switch, pilot light and AC outlet. With 4-wire extension cable for inverter. Wt., 1 lb.

Type FK Fuse Kits. "Hot" cable fuse block for 2" cartridge fus short heavy cable. For remote inverter installations. FK-22 20-amp fuse; FK-240, 40-amp; FK-250, 50-amp. Wt., 1 lb.

Stock No.	Mfr's Type	For Powercon Type No.	EACH
94 U 423	MK-3544-4 Mtg. Kit	12B8, 12B10 12TV12	3.86
94 U 424	MK-3544-5 Mtg. Kit	12D15, 12D22, 28D15, 12DSW10, 12ESW25	3.86
94 U 425	LK-1016 Lead Kit	12B8, 28D15, 125C14	3.93
94 U 426	LK-816 Lead Kit	12B10, 12D15, 12TV12, 12DSW10	5.00
94 U 427	LK-616 Lead Kit	12D22, 12ESW25	7.86
94 U 428	FK-240 Fuse Kit	12D15, 12D22	2.86
94 U 429	FK-220 Fuse Kit	12B8, 12B10, 28D15, 12TV12, 12DSW10	
94 U 430	FK-250 Fuse Kit	12ESW25	
94 U 431	RK-112 Remote Kit	12B8, 12B10, 12D15, 12D22, 28D15, 12TV12, 12DSW10, 12ESW25	

BASLER



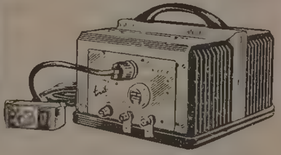
MODEL 12RS6DF SOLID-STATE BENCH POWER SUPPLY

Dual-range power supply ideal for automotive and transistor radio work. Has two continuously variable output ranges. Range A: 0-16 v., up to 6 amps continuous or 12 amps intermittent; ripple, less than ½ v. rms. Range B: 0-8 v., up to 10 amps continuous or 20 amps intermittent; ripple, less than 2 v. rms. Floating output—either terminal may be grounded. Voltmeter and current meter with zero adjust.

Terminals and switch on front panel for connecting precision external ammeter for plating or other work. Automatic overload protection. Stud and wing nut terminals. 6¾x10⅜x5½". Steel cabinet has cooling louvers, 2-tone gray enamel finish. With 6-ft. cord and plug. For 115 v., 60 cycle AC. 12½ lbs.

64 U 668 ....58.95

TERADO TRANSISTORIZED DC-TO-AC INVERTERS



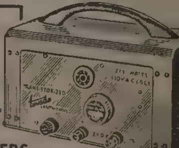
"DUAL CONTINENTAL"—600 W.

- 12-v. DC to 115-v. 60 Cycle AC
- Output Stable to ½ Cycle
- With Handy Remote Control Unit

MODEL 50-202. Fully transistorized heavy-duty inverter. Converts 12-v. DC to 115-v., 60 cycle AC; provides 600 watts of filtered output. Stable to within ½ cycle despite changing input or load—fine for recorders and other motor appliances. Remote mounts on auto dash; has AC receptacle, variable voltage switch, signal light. 6x10¾x13". With battery cables. 60 lbs.

94 U 381 Z. *$15 Monthly* 302.38

Dash-Mounting
Remote Control



MEDIUM DUTY DC-AC INVERTERS

MODEL 50-191 "CONTINENTAL" WITH MOTE—300 WATTS. Converts 12-v. DC 115-v., 60 cycle AC. 300-watt filtered out with excellent stability. Tuned reed for fect frequency control. Remote mounts dash—converter can be installed in tru out of way. Steel case, 6x10¾x6". W plugs, cables. 30 lbs.

94 U 382 U. *$8 Monthly*.........150.

MODEL 50-200 "ATLAS" WITH REMOTE—WATTS. Similar to "Continental" abo but 200-watt output. 6x10¾x6". 21 lbs.

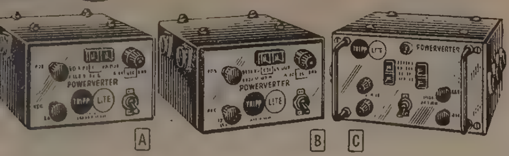
94 U 384 U. *$6 Monthly*..........112

MODEL 50-201 "TITAN"—175 WATTS. Similar to "Atlas" but less remote. 20 lbs.

94 U 383 U. *$5 Monthly*...........98

DC-AC Power Inverters for ALL Applications

TRIPP LITE ALL SOLID-STATE 12-V. DC TO 115-V. AC INVERTERS



MODEL PV-150—150 WATTS. 2-transistor, low-cost inverter brings regular 115-volt AC house current to all vehicles. Converts 12-volt C to 115-volt, 60 cycle AC; delivers 150 watts continuously, 175 watts termittently (5 minutes). Includes on-off switch plus replaceable fuse. ıggedly constructed for shock resistance. Anodized heat sink; all etal parts painted for resistance to weather and corrosion. 3½x5x5". ith fuse and mtg. studs. Shpg. wt., 5½ lbs.
U 432. *$5 Monthly*.......39.95

MODEL PV-200—200 WATTS. Has same features as Model PV-150 above, but continuously delivers 200 watts; in intermittent use, 250 ıtts. In addition, incorporates 4 power transistors and exclusive "pow-boost" circuit that permits higher bursts of power for heavy, short ration jobs such as starting motor-type appliances. Size, 3½x5x5". ith fuse and mounting studs. Shpg. wt., 6 lbs.
U 433. *$5 Monthly*.......49.95

MODEL PV-400—400 WATTS. Dependable, heavy-duty inverter with continuous 400-watt output; intermittent (5 minutes), 450 watts. es 8 power transistors; assures hash-free TV and AM-FM reception. ilt-in rack handles. 4x7x6". With fuses. 13 lbs.
U 434. *$5 Monthly*.......99.95

ODEL PV-100—100 WATTS. (Not Illus.) Convenient—plugs into cigar hter on car dash; stores in glove compartment. 2 transistors. 100 tts continuous; 115 watts intermittent (5 minutes). Only 3x4¾x ¼". With cable, plug. Shpg. wt., 5 lbs.
U 435. *$5 Monthly*.......25.95

NEW!

Converts
12 VDC to 117 VAC

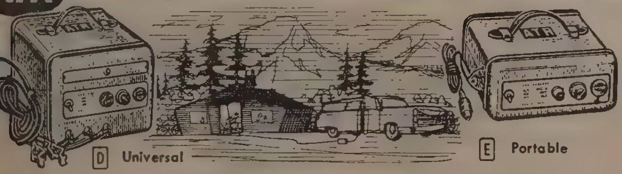
ELECTRO TI-100 TRANSISTORIZED INVERTER

Compact, low-cost inverter lets you take household current with you, wherever you go! Plugs into car, boat, truck dash. Mounts in any position and delivers 125 watts continuously—ample power for TV sets, recorders, phonos, PA systems, etc. Highly stable; regulation is 5 cycles, no-load to full-load. Includes: heavy-duty components for higher overload capacity; fuse protection for 12-v. source; battery charge indicator. 3½x6¼x6¼". With input cord, dash plug. Shpg. wt., 7 lbs.
94 U 436. *$5 Monthly*.......39.95

SENCORE BATTERY ELIMINATOR

MODEL BE124. Replaces batteries during transistor radio repair. Also charges nickel-cadmium, other batteries. Taps at 1.5-v. intervals from 0-12 volts provide B+, bias, center-tap. Meter monitors 0-50 ma. Good regulation; voltage-calibrate potentiometer. 5x4½x2¼". 3 lbs.
94 U 115 U. *$5 Monthly*.......24.45

ALL-PURPOSE DC-AC INVERTERS AND DC POWER SUPPLIES



D UNIVERSAL DC-TO-AC INVERTERS

ıggedly constructed, exceptionally stable inverters for operating 115-volt, 60 cycle equipment from DC. For loads having power factors in excess of 70%. Not recom-nded for large motor-driven appliances such as refrigerators, washers, etc. All have -off switches. Gray hammerloid metal case with strap. Sizes: RSF, 8½x9⅞x5¼"; IG, 6⅞x11¼x8½"; HSJ, 6½x12⅞x8½". With battery clips; model with "P" fix has adapter cord for auto dash sockets. **For 24-volt operation. Check wattage ing of equipment before ordering.*

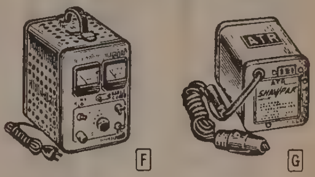
Stock No.	Mfr's Type	Input DC Volts	Output 60 Cycle	Watts Cont.	Watts Inter.	Wt. Lbs.	EACH
4 U 387 U	6U-RHG	6	110 v.	125	150	27	73.00
4 U 388 U	12U-RSF	12	110 v.	100	125	22	55.00
4 U 389 U	12U-RSF-P	12	110 v.	100	125	22	55.00
4 U 390 U	12U-RHG	12	110 v.	150	175	27	73.00
4 U 391 U	12U-HSJ	12	110 v.	200	250	37	91.50
4 U 392 U	28U-RHG*	28	110 v.	150	175	27	87.50
4 U 393 U	50U-RSF	50	110 v.	100	150	22	66.00
4 U 394 U	110U-RSF	110	110 v.	150	250	22	55.00
4 U 395 U	110AU-RHG	110	110 v.	250	325	27	66.00
4 U 396 U	110U-HSJ	110	110 v.	400	600	37	103.50

E PORTABLE PLUG-IN TYPE DC-TO-AC INVERTERS

ıhtweight inverters for operating 115-volt AC equipment from DC sources. Have ellent stability and high efficiency. 6 and 12-volt units plug into cigar lighter eptacle on dash; others equipped with standard 2-prong plugs. Designed for use h dictating machines, record players, electric razors, etc. Not recommended for e recorders and large motor-driven appliances such as refrigerators, washers, etc. ay hammerloid case with leather strap. Sizes: DME, 5¼x4¾x2¾"; RME and RMF, x8x3¾". *For 24-volt operation. For loads having power factor over 80%. *Check tage of equipment before ordering.*

Stock No.	Mfr's Type	Input DC Volts	Output 60 Cycle	Watts Cont.	Watts Inter.	Wt. Lbs.	EACH
4 U 397	6C-DME	6-12	110 v.	30	40	5	21.25
4 U 398	6C-RMF	6-12	110 v.	60	80	12	40.25
4 U 399	12-DME	12	110 v.	40	50	5	18.50
4 U 406	12T-RME	12	110 v.	90	125	12	36.50
4 U 407	28-RME*	28	110 v.	80	100	12	46.50
4 U 408 X	110-RME	100	110 v.	100	150	12	43.50

6 AND 12-V. DC POWER SUPPLIES



F **TYPE 610C-ELIF.** Specially designed, dual-range, DC power supply for testing and operating auto radios and other DC apparatus from regular 115-v., 50-60 cycle AC power sources. Provides either 6 volts @ 10 amps continuous, or 12 volts @ 6 amps continuous with minimum ripple. Has separate voltmeter and ammeter; full-wave selenium rectifier. Toggle switch selects 6 or 12-volt range. Front panel, 8-position selector adjusts output. Has gray steel case, 6½x9⅛x8½". For 105-125 v., 50-60 cycle AC. Shpg. wt., 22 lbs.
94 U 385 U. *$5 Monthly*.....55.00

G **6/12-V. "SHAV-PAK" INVERTERS.** Miniature inverters that operate standard AC electric shavers from 6 and 12-volt storage batteries in autos, buses, trucks, boats and planes. Small and compact; measure only 4x2⅝x2¾". Represent the height of convenience for traveling salesmen, sportsmen, tourists, etc. Unit simply plugs into cigarette lighter receptacle on car's dashboard and changes battery power to standard 115-volt AC. Both 6 and 12-volt models provide 115 volts, 60 cycle AC at 15 watts output. In gray hammerloid steel case. Shpg. wt., 2½ lbs.

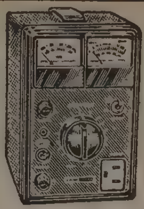
Stock No.	Type	DC Input	EACH
94 U 409	6-SPB	6 volts	8.63
94 U 410	12-SPB	12 volts	8.63

Power Supplies and Battery Chargers

1064

EICO Precision Equipment for Laboratory or Shop Use . . . Available Factory-Wired and Tested or in Easy-to-Build, Money-Saving Kit Form

1020


1078

1060

MODEL 1064-W BATTERY CHARGER-ELIMINATOR

Delivers the low-ripple DC necessary for servicing transistorized electronic equipment. Features extra-heavy-duty selenium rectifiers. L-C filter circuit employs an iron core choke and dual 5000 mfd electrolytic capacitor. Provides two DC voltage ranges: 0-8 v. at 10 amps continuous, 20 amps intermittent; 0-16 v. at 6 amps continuous, 10 amps intermittent. Ripple: 0-16 v. range, 1% at 6 amps; 0-8 v. range, 4.5% at 10 amps. Separate voltmeter and ammeter permit simultaneous monitoring of voltage and current on both ranges. Ammeter range is automatically switched over as you select voltage range. 8½x5¾x7½". For operation from 105-125 v., 50-60 cycle AC. Shpg. wt., 15 lbs.
94 U 119 X. *$5 Monthly*. **54.95**

Model 1064-K. As above, but in kit form.
94 U 120 X. *$5 Monthly*. **45.95**

MODEL 1020-W POWER SUPPLY

Transistorized DC power and bias supply. Variable output voltage to 30 v. Dual-range voltmeter (0-6, 0-30 volts DC) for monitoring output. Ideal for servicing both "hybrid" and all-transistor equipment. Maximum continuous output: 150 ma from 0-12 volts; 200 ma from 12-24 volts; 330 ma from 24-30 volts. Uses full-wave silicon diode rectifier circuit with electrolytic input filter, followed by two power transistors in a cascaded filter circuit. Maximum ripple at full load is only .005%. Fused for overload. Gray wrinkle steel case with carrying handle. Size, 5x4x5½". For 105-125 volts, 60 cycle AC. Shpg. wt., 4½ lbs.
94 U 121. *$5 Monthly*. **29.95**

Model 1020-K. As above, but in kit form.
94 U 122. *$5 Monthly*. **23.95**

MODEL 1078-W METERED VARIABLE AC SUPPLY

Lab-type supply. Adjustable output of 0-140 v. AC, from 1
AC input; up to 7½ amps. Ammeter has dual range (0-2½,
amps); ranges can be switched while unit is under load. No w
form distortion from no load to full load. Highly efficient var
autotransformer of toroidal core design. Autotransformer
ammeter protected by extractor-post fuses. Steel case, 8½x5¾
For 105-125 v., 60 cycle AC. 16 lbs.
94 U 123 X. *$5 Monthly*. **54**

Model 1078-K. As above, but in kit form.
94 U 124 X. *$5 Monthly*. **4**

MODEL 1060-W BATTERY CHARGER-ELIMINATOR

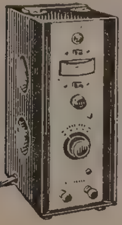
Operates 6 or 12-v. auto radios, including transistor types. Vo
adjustment by variable transformer. Low range; 0-8 v. at 10 a
continuous, 20 amps intermittent; 1.5% ripple at 2 amps. 2%
6 amps. High range: 0-16 v. at 6 amps continuous, 10 amps in
mittent; 0.3% ripple at 2 amps, 1.5% at 10 amps. Steel case,
10½x7¾". 105-125 v., 60 cycle AC. 19 lbs.
94 U 125 U. *$5 Monthly*. **49**
94 U 126 U. Model 1060-K. Above, in kit form. **3**

Model 1050-W. Battery Eliminator. For 6 and 12 v. tube radios. S
as Model 1060-W, less smoothing filter. 15 lbs.
94 U 127 U. *$5 Monthly*. . . . . **38.**
94 U 128 U. Model 1050-K. Above, but in kit form. **2**

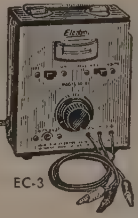
ELECTRO

FILTERED VARIABLE OUTPUT LOW VOLTAGE DC POWER SUPPLIES

- Continuously Adjustable Output
- Extremely Low Ripple Current
- Compact Space-Saving Design


EC-2

EC-1


EC-3

D-612T

MODEL EC-2 0-16-VOLT DC POWER SUPPLY

Low priced, portable, factory-assembled DC power supply. Provides continuously variable, very well filtered DC output of 0-16 volts at 5 amps. Can be used for all auto radio and transistor portable servicing needs. Highly suited for wide applications in research and development work in industry, schools and laboratories. Ripple is extremely small—less than 0.5% at full output. Load regulation is exceptionally good—output changes only 1.8 volts for each amp of load current change from no-load to full-load. Extremely compact space-saving design; measures only 10¾x4¾x6½". Use vertically or horizontally on service bench. Portable, easy to carry. Includes: combination edgeview voltmeter/ammeter; pilot light; fuse; insulated binding posts. Two-tone gray cabinet. For 117 v., 50-60 cycle AC. Shpg. wt., 11 lbs.
64 U 560. *$5 Monthly*. **44.95**

MODEL EC-1 12-VOLT DC POWER SUPPLY

Top value, completely assembled DC power supply. Low in cost, it provides a reliable, extremely well-filtered 12-volt DC source. Perfectly suited for school uses, demonstration purposes, repairng auto radios, production testing, and many other applications.

Provides an adjustable DC output of 12 volts at 5 amps. Has 4-position, front panel voltage adjustment switch: off, low, medium and high. Output has very low ripple—only 0.5% rms at full 5-amp output. Load regulation is extremely good—output voltage changes only 1.4 volts for each ampere of load current change from no-load to full-load. Unit includes pilot light, wing-nut output terminals, efficient, patented conduction cooling.

Compact, space-saving size; only 10¾x4¾x6½"; can be used vertically or horizontally. Cabinet is heavy gauge steel with two-tone gray enamel finish. Portable, with carrying handle, 6-ft. cord and plug. For 117 v., 50-60 cycle AC. 12 lbs.
64 U 561. *$5 Monthly*. **34.95**

MODEL EC-3 DC POWER SUPPLY WITH BIAS TAP

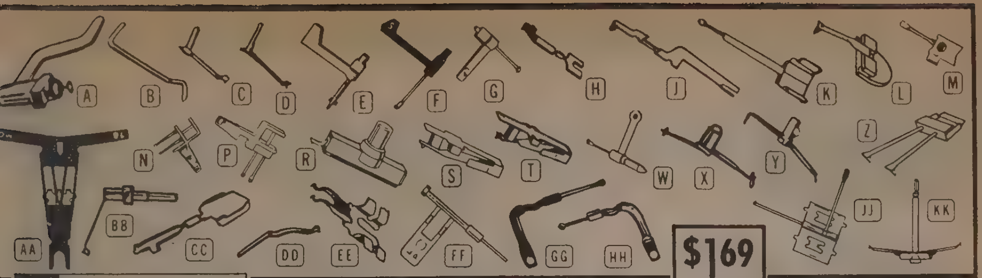
Low-cost DC power supply with fully adjustable bias tap for ser
ing all transistor portable radios. Supplies well-filtered 0-20 v
DC @ 150 ma continuous (24 volts @ 100 ma). Bias tap outpu
0-6 volts DC—operates radios with 1.5, 2.8, 3.0 volts, or
other bias voltage. Also operates center-tap radios having
output transformers. Functions exceptionally well as nic
cadmium battery charger. Ripple is extremely low—0.2% rm
full output. Edgeview combination voltmeter-ammeter can
switched to read output voltage or current. In heavy gauge, 6¼
3½" steel cabinet with two-tone gray enamel finish. With out
leads, insulated alligator clips, 6-ft. power cord and plug, and
structions for nickel-cadmium battery charging. For 117 v., 50
cycle AC. Shpg. wt., 5 lbs.
64 U 581. *$5 Monthly*. . . . . **27.**

MODEL D-612T DUAL-RANGE DC POWER SUPPLY

Dual-range DC power supply designed to service transistor
vibrator powered car radios. Also perfect for battery chargi
electroplating and running small DC motors. Has two continuou
variable DC output ranges: 0-8 volts and 0-16 volts @ 10 amps c
tinuous to 12 volts; to 20 amps on both ranges intermitten

Special choke input type filter circuit with 10,000 mfd capaci
holds AC ripple below minimum requirements for transistor radi
Ripple is less than 0.5% rms up to 5 amps; less than 2% at 10 am
Uses 4 bridge-type selenium rectifiers with conduction cooli
Load regulation is very good—on 16-volt range output varies
volts with load change from 3 to 10 amps; on 8-volt range,
volts with load change from 3 to 10 amps.

Includes overload fuse, extra large voltmeter and ammeter, insulat
binding post terminals. In heavy-gauge, blue hammerloid, 7x1
8½" steel cabinet. For 117 v., 50-60 cycle AC. 20 lbs.
64 U 462 U. *$5 Monthly*. **69.9**



$1.69 EACH

KNIGHT Diamond Phonograph Needles

lacement needles by a famous U.S. mfr. to Allied's exacting specs. fted from whole diamonds. Some have twin tips (one diamond, plus synthetic sapphire for 78-rpm records). Type suffixes: XD—single-diamond stereo tip; XSD—synthetic sapphire and stereo diamond tips; LPD—long-play diamond monophonic; SD—synthetic sapphire and diamond, both monophonic; D—diamond, monophonic; X—stereo. 2 oz.

FOR ASTATIC CARTRIDGES

ock No.	Type	Fig.	For Cartridges No.	EACH
U 644	A-68SD	A	57-T Series	1.69
U 658	A-74LPD	B	51, 53, 59, 402	
U 645	A-75LPD	C	ACD Series; 40. 41	
U 657	A-67LPD	D	64, 66, 68, 94, 405. 406	
U 171	A-98XSD	E	153, 157, 461, 481	1.69
U 172	A-100XSD	E	140, 142, 146	
U 742	A-90XSD	F	17; 17D	
U 501	A-94XSD	G	133; 133D	
U 669	CRA-55XD	H	70 Series; 80 Series	

FOR BSR CARTRIDGES

U 669	CRA-55XD	H	TC-8S, H Series	1.69

FOR CBS CARTRIDGES

U 671	CS-1XD	J	SC-1, 2, 7, 8	1.69

FOR ELECTRO-VOICE CARTRIDGES

U 667	E-98XD	K	21, 26	1.69
U 510	E-10XSD	G	117 131, 148	
U 514	E-15XSD	G	132; 132D	
U 518	E-16XSD	G	149; 149D	

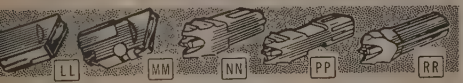
FOR EUPHONIC CARTRIDGES

U 614	J-47XD	L	E Series	1.69
U 752	J-57XD	M	U-1 Series; U-2 Series	
U 508	EU-IXSD	N	U-8; Admiral Ensign	
U 173	EU-2XSD	P	U-10, U-11, R	

FOR G.E. CARTRIDGES

U 642	G-19XD	R	VR-227	1.69
U 643	G-20XD	R	VR-225	
U 523	G-1D	S	RPX Series	
U 601	G-4D	T	4G Series; VR II	
U 502	G-21XSD	W	C-100	
U 507	G-22XSD	W	C-200	

KNIGHT NEEDLE-CARTRIDGE COMBINATIONS



ZENITH "COBRA ARM" PLUG-IN NEEDLE-CARTRIDGES

ock No.	Type No.	Zen. Type	Fig.	Stylus	EACH
1 U 631	S-15780	Z-62	LL	Syn. Sapphire	1.88
1 U 632	S-15222	Z-61	LL	Syn. Sapphire	1.88
1 U 633	142-72	Z-65	MM	Syn. Sapphire	2.68
1 U 695	142-72	Z-65D	MM	Diamond	7.95
1 U 634	142-71, 142-74	Z-64	MM	Syn. Sapphire	2.68
1 U 635	142-76, 142-77	Z-59	MM	Syn. Sapphire	3.98
1 U 697	142-76, 142-77	Z-59SD	MM	Diamond	8.95

DIAMOND PLUG-IN NEEDLE-CARTRIDGES

tock No.	Type No.	Fig.	For Cartridge	EACH
1 U 606	A-41SD	PP	Astatic 81TX	4.49
1 U 610	A-43SD	PP	Astatic 89TX	4.49
1 U 689	A-44XSD	PP	Astatic 13TX Stereo	4.95
1 U 625	E-36SD	RR	E.V. 56DS	4.49
1 U 627	E-37SD	NN	E.V. 76DS	4.49
1 U 690	E-46XSD	RR	E.V. 66DS Stereo	4.95

SYNTHETIC SAPPHIRE PLUG-IN NEEDLE-CARTRIDGES

1 U 623	A-41	PP	Astatic 81T	1.88
1 U 609	A-43	PP	Astatic 89T	1.88
1 U 615	A-44X	PP	Astatic 13T Stereo	3.49
1 U 624	E-36	RR	E.V. 56	1.88

FOR MAGNAVOX CARTRIDGES

Stock No.	Type	Fig.	For Cartridges	EACH
81 U 648	M-50SD	X	560133, 151, 158, 169, 170	1.69

FOR PHILCO CARTRIDGES

81 U 660	PH-13SD	Y	76-4648, 4649; 325-8023, 8024	1.69

FOR RCA CARTRIDGES

81 U 622	M-77XSD	Z	106770A, 106771A	1.69
81 U 653	M-74LPD	BB	75475, 77779, 75575	
81 U 753	M-80XSD	AA	110020, 110021	

FOR RONETTE CARTRIDGES

Stock No.	Type	Fig.	For Cartridges	EACH
81 U 649	CRA-55LPD	H	All Ronette Monophonic; Astatic; BSR	1.69
81 U 665	CRA-57XD	CC	P-105, 106; BF-40; Ronette Stereo; Admiral Ensign	

FOR SHURE CARTRIDGES

81 U 650	JPS-30LPD	DD	P-30, 72, 76, 77, 79; PC Series	1.69
81 U 651	JPS-36SD	EE	PC-2, 3, 4, 5; P-7, 8, 9; Wt-9, 10	1.69

FOR SONOTONE CARTRIDGES

81 U 746	S-80XSD	FF	18T Series	1.69
81 U 747	S-82XSD	FF	9T; 916T; 16T; Adm. Ensign	
81 U 620	S-71XSD	GG	8T; A Series	
81 U 655	S-61SD	HH	3T Series	
81 U 656	S-66SD	HH	2T, 5T, and 7T Series	

FOR TELEFUNKEN CARTRIDGES

81 U 750	TE-19XSD	JJ	T-20; T-20DS	1.69

FOR VACO CARTRIDGES

81 U 669	CRA-55XD	H	ST-20; ST-40; ST-200	1.69

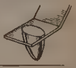
FOR ZENITH CARTRIDGES

81 U 174	Z1XSD	KK	142-126, 7, 8; 142-136, 7 142-140, 41	1.69

KNIGHT SYNTHETIC SAPPHIRE REPLACEMENT NEEDLES

Stock No.	Type	No.	Fig.	For Cartridges	EA.
81 U 668	Astatic	CRA-55X	H	70TS, 80TS Series Stereo	.98
81 U 668	BSR	CRA-55X	H	TC-8; H Series Stereo	.98
81 U 613	Euphonic	J-47X	L	E Series Stereo	.98
81 U 583	Ronette	CRA-55LP	H	All Ronette Mono; Astatic, B.S.R. types	.98
81 U 547	Sonotone	S-61	HH	3T Series	1.19
81 U 668	VACO	CRA-55X	H	ST-20, ST-40, ST-200 Stereo	.98

JENSEN ELLIPTICAL DIAMOND NEEDLES

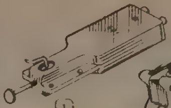


Gives you truer reproduction—rides groove same as recording cutter; eliminates major causes of distortion. Max. tracking pressure 6 grams. 2 oz.

Stock No.	Mfr's Type	Fig.	For Cartridges	EACH
81 U 175	EU-2XSDE	P	Euphonics U-10, U-11	7.20
81 U 176	E-10XSDE	G	E-V 117, 131, 148	
81 U 177	E-16XSDE	G	E-V 149, 149D	
81 U 178	G-21XSDE	W	G.E. C-100	
81 U 179	J-47XDE	L	Euphonics E Series	
81 U 180	CRA-55XDE	H	BSR TC-8S, H; Astatic 70, 80	7.20
81 U 181	CRA-57XDE	CC	Ronette Stereo; Ensign	
81 U 18[illegible]	J-57XDE	M	Euphonics U-1, 2, 4, 5	
81 U 183	S-61XSDE	HH	Sonotone 3T, Series	
81 U 184	S-66XSDE	HH	Sonotone 2T, 5T, 7T	
81 U 185	S-71XSDE	GG	Sonotone 8T, A Series	7.20
81 U 186	M-77XSDE	Z	RCA 106770A, 106771A	
81 U 187	S-82XSDE	FF	Sonotone 9T, 916T, 16T	
81 U 188	E-98XDE	K	E-V 21, 26	

Low-Cost Replacement Phono Cartridges

Electro-Voice
ASTATIC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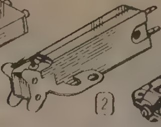
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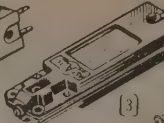
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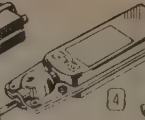
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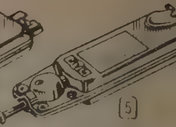
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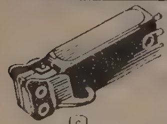
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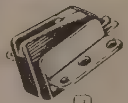
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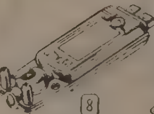
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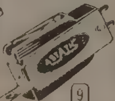
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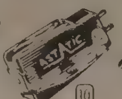
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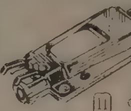
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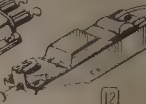
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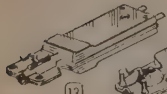
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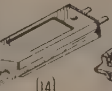
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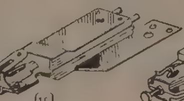
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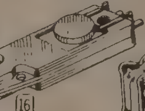
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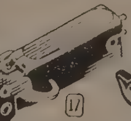
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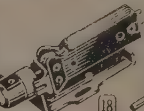
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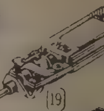
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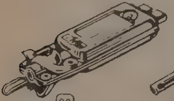
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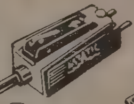
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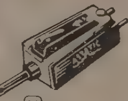
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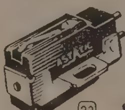
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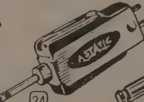
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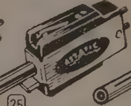
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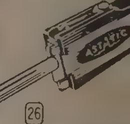
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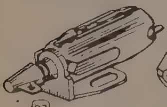
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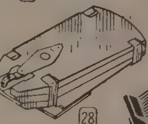
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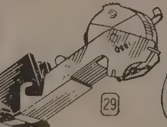
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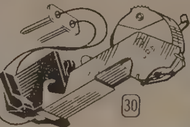
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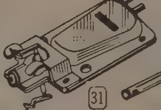
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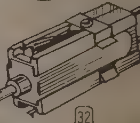
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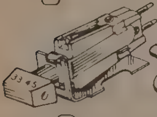
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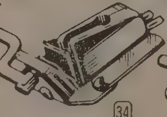
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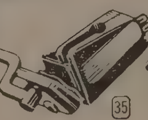
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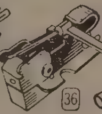
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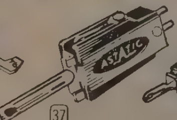
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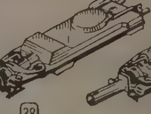
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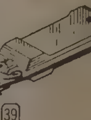
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These stereo and monophonic phonograph cartridges replace the originals used by most manufacturer's of phonographs. In "Needle" column of tables below. 1S and 1D indicate .001″ synthetic sapphire or natural-diamond tip for long-playing records; 3S, .003″ synthetic-sapphire tip for 78 records; 2S, .002″ all-purpose synthetic-sapphire for all mono records; .7S and .7D indicate .0007″ synthetic-sapphire or natural-diamond for stereo records. Av. shpg. wt., 3 oz.

SINGLE-NEEDLE MONOPHONIC CARTRIDGES

Stock No.	Mfr's Type	Exact Replacement For:	Fig.	Needle(s)	EACH
81 U 000	E V 105	Am. Microphone CR-1	1	2S	2.32
81 U 001	E V 23	Am. Microphone CR-5	2	1S	3.82
81 U 002	Ast. 12	Astatic 12	4	2S	2.62
81 U 003	Ast. 12U	Astatic 12U	5	1S	2.91
81 U 005	Ast. 24	Astatic 24	3	3S	2.91
81 U 243	Ast. 40-2	Astatic 40 2	6	2S	3.82
81 U 238	Ast. 51 1	Astatic 51-1	7	1S	4.35
81 U 251	Ast 51 2	Astatic 51 2	7	2S	4.35
81 U 224	Ast. 66-2	Astatic 66-2	8	2S	2.91
81 U 205	Ast. 310-2	Astatic 310-2	9	2S	2.91
81 U 206	Ast. 414-1	Astatic 414 1	10	1S	2.62
81 U 307	Ast. 414 2	Astatic 414-2	10	2S	2.62
81 U 006	Ast. 416-2	Astatic 416-2	10	2S	3.20
81 U 244	Ast. 408	RCA 75575	11	1S	2.62
81 U 217	Ast. 62 1	RCA 103238, 103238A	11	1S	2.91
81 U 007	E V 73	Webster Electric CX	12	2S	2.62
81 U 008	E-V 18	Webster Electric F17P	13	2S	1.91
81 U 009	E V 17	Webster Electric F 30	14	2S	2.32
81 U 010	E V 50	Webster Electric P2 1	15	2S	2.91
81 U 011	E V 118	Web. Elec. U200's, UX	16	2S	2.91

DOUBLE-NEEDLE MONOPHONIC CARTRIDGES

Stock No.	Mfr's Type	Exact Replacement For:	Fig.	Needles	EACH
81 U 219	Ast. 40T	Astatic 40T	17	1S 3S	4.09
81 U 241	Ast. 40TB	Astatic 40TB	18	1S, 3S	4.97
81 U 012	Ast. 41T	Astatic 41T	17	1S, 3S	5.59
81 U 223	Ast. 66TS	Astatic 66TS	19	1S/3S	4.26
81 U 253	Ast. 66TY	Astatic 66TY	20	1S 3S	3.82
81 U 013	Ast. 118	Astatic 118-TS	21	1S, 3S	3.79
81 U 014	Ast. 120	Astatic 120	21	1S, 3S	3.79
81 U 015	Ast. 124	Astatic 124TS	22	1S 3S	3.79
81 U 200	Ast. 310T	Astatic 310T	23	1S, 3S	3.20
81 U 016	Ast. 310TS	Astatic 310TS	24	1S 3S	3.20
81 U 301	Ast. 314TS	Astatic 314TS"	25	1S/3S	3.20
81 U 017	Ast. 424	Astatic 424	26	1S/3S	3.82

DOUBLE-NEEDLE MONOPHONIC CARTRIDGES (Cont'd)

Stock No.	Mfr's Type	Exact Replacement For:	Fig.	Needles	EA
81 U 018	E-V 120	BSR TC8H	27	1S 3S	2
81 U 019	E-V 119	BSR TC8M	27	1S/3S	2
81 U 020	E-V 136	Elac KST-9	28	1S/3S	4
81 U 021S	E-V 188D	Magnavox 560158-2	29	1D/3S	1
81 U 022S	E-V 190D	Magnavox 560158-3	30	1D/3S	1
81 U 023	E-V 75	RCA 77779	31	1S 3S	3
81 U 024	E-V 86	Ronette DC-04	32	1S/3S	3
81 U 025	E-V 82	Ron. DC284 Series, Ast. 422	33	1S/3S	3
81 U 026	E-V 87	Ronette TO-222	32	1S/3S	3
81 U 027	E-V 80	Ronette TO-284, Ast. 420	33	1S/3S	3
81 U 028	E V 90	Ronette TO 284P	33	1S/3S	3
81 U 212	Ast. 55T	Sonotone 2T S	34	1S/3S	4
81 U 029	Ast. 53T	Sonotone 2T-LB 5	35	1S 3S	4
81 U 030	Ast. 455	Sonotone 3T-S	36	1S/3S	5
81 U 031	Ast 455D	Sonotone 3T SD	36	1D/3S	8
81 U 032	Ast. 470	Vaco TO 45X	37	1S/3S	3
81 U 033	E V 43	Web. Electric F 15, F-16	38	1S, 3S	4
81 U 034	E-V 134	Webster Electric F22 1	39	1S, 3S	4
81 U 035	E-V 57	Webster Electric B200X	40	1S/3S	2

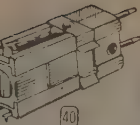
DOUBLE-NEEDLE STEREOPHONIC CARTRIDGES

Stock No.	Mfr's Type	Exact Replacement For:	Fig.	Needles	EA
81 U 036	E V 149	Admiral 409C51 1	41	.7S/3S	5
81 U 037	E-V 149D	Admiral 409C59 3	41	.7D/3S	7
81 U 355	Ast. 17	Astatic 17	42	.7S, 3S	6
81 U 356	Ast. 17D	Astatic 17D	42	.7D, 3S	9
81 U 315	Ast. 70TS	Astatic 70TS	43	.7S/3S	4
81 U 314	Ast. 74TS	Astatic 74TS	44	.7S/3S	4
81 U 313	Ast. 76TSB	Astatic 76TSB	43	.7S/3S	4
81 U 040	E V 121	BSR TC8S	45	.7S/3S	4.
81 U 041	E-V 254	Dual CDS-520/3	46	.7S/3S	9.
81 U 042S	E-V 254D	Dual CDS-520/34	46	.7D, 3S	10.
81 U 043	E V 137	Elac KST 102	47	.7S/3S	4.
81 U 044	E-V 139	Elac KST-104	47	.7S, 3S	4.
81 U 372	E-V 26	E-V 26	48	.7S/3S	6.
81 U 373	E V 26D	E-V 26D	48	.7D/3S	9.
81 U 045	E V 127D	Magnavox 560281-3	49	.7D/3S	9.
81 U 046	E-V 127	Magnavox 560281-4	49	.7S, 3S	6.
81 U 047	E-V 126D	Magnavox 560296-1	50	.7D/3S	9.
81 U 048	E-V 126	Magnavox 560296-2	50	.7S 3S	6.
81 U 049	E-V 158	Magnavox 560310-1	41	.7S/3S	5.
81 U 050	E V 158D	Magnavox 560310 1	41	.7D, 3S	7.
81 U 051	E-V 150D	Magnavox 560315-1	41	.7D/3S	6.

See Page 487 for Replacement Stereo and Monophonic Needl

Low-Cost Replacement Phono Cartridges

Electro-Voice ASTATIC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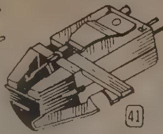
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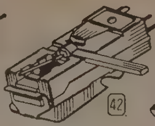
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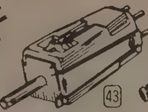
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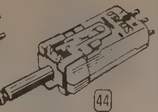
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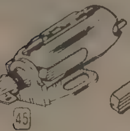
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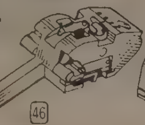
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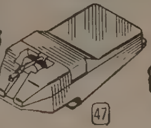
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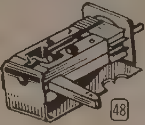
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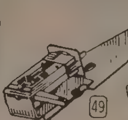
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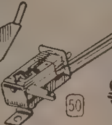
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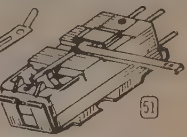
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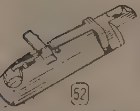
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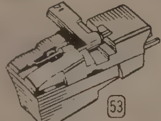
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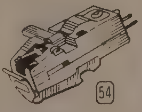
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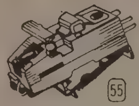
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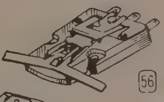
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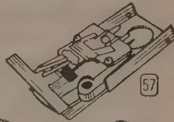
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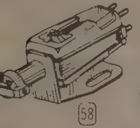
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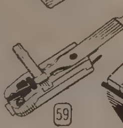
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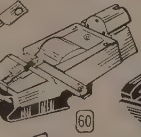
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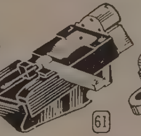
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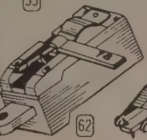
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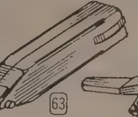
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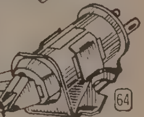
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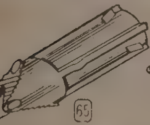
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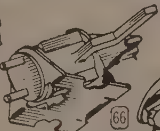
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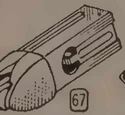
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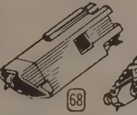
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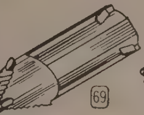
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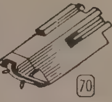
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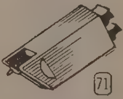
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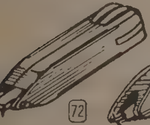
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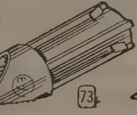
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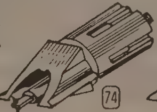
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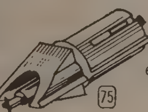
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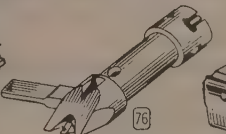
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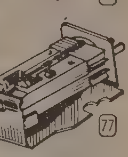
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OUBLE-NEEDLE STEREOPHONIC CARTRIDGES (Cont'd)

ck No.	Mfr's Type	Exact Replacement For:	Fig.	Needles	EACH
052	E-V 131	Motorola 59C61640A01, 59P60024A24	51	.7S/3S	4.67
053	E-V 131D	Motorola 59C61640A02	51	.7D/3S	7.61
038	E-V 132	Motorola 59C61496A01	42	.7S/3S	4.12
055	E-V 132D	Motorola 59C61496A02	42	.7D/3S	6.76
056	E-V 194	Motorola 59C6321A01-0	52	.7S/3S	5.59
057	E-V 194D	Motorola 59C6321A01-0	52	.7D/3S	7.64
058	E-V 250	Perpetuum Ebner PE-188	53	.7S/3S	8.23
059S	E-V 250D	Perp. Ebner PE-188NMD	53	.7D/3S	11.37
055	E-V 132D	Philco 325-8068	42	.7D/3S	6.76
061	E-V 186	Philco 35-2865-1	54	.7S/3S	6.47
062	E-V 186D	Philco 35-2865-2	54	.7D/3S	8.53
063	E-V 186R	Philco 35-2865-1	55	.7S/3S	7.06
064	E-V 186DR	Philco 35-2865-2	55	.7D/3S	9.11
065	E-V 150R	Philco 35-2868-1	55	.7S/3S	5.00
066S	Ast. 477D	RCA 106771, A, B	56	.7D/3S	11.17
067	Ast. 477	RCA 106771, A, B	56	.7S/3S	5.88
068S	Ast. 475D	RCA 106960, A; 110023, A	56	.7D/3S	11.17
069	Ast. 475	RCA 108213, A; 110021, A	56	.7S/3S	5.88
070	Ast. 487	RCA 111347	57	.7S/3S	7.23
071S	Ast. 487D	RCA 111348	57	.7D/3S	11.38
390	E-V 95	Ronette 105	58	.7S/3S	5.00
387	E-V 96	Ronette 208, 208-2	58	.7S/3S	4.67
072	E-V 150	Sears 33-393-0	41	.7S/3S	4.41
073	E V 199D	Sears 33-413-0	59	.7D/3S	7.06
074	E-V 199	Sears 33-414-0	59	.7S/3S	5.00
075	E-V 198D	Sears 33-422-0	59	.7D/3S	7.35
076	E-V 198	Sears 33-423-0	59	.7S/3S	5.29
077	Ast. 133	Sonotone 8TA4-S	42	.7S/3S	5.73
055	Ast. 133D	Sonotone 8TA4 SD	42	.7D/3S	8.08
079	E V 169	Sonotone 9T-S	60	.7S/3S	5.00
080	E-V 169D	Sonotone 9T-SD	60	.7D/3S	7.35
081	E-V 163	Sonotone 16T, 18T, 916T	61	.7S/3S	4.12
082	E V 163D	Sonotone 16T, 18T, 916T	61	.7D/3S	6.76
395	E-V 141	Telefunken T20/2, T200/2	62	.7S/3S	7.61
397S	E-V 141D	Telefunken T20/D, T200/D	62	.7D/3S	11.14
083	E V 150DR	V-M 27269B	55	.7D/3S	7.06
084	E V 149R	V-M 27269-L	55	.7S/3S	5.59
085	E-V 149DR	V-M 27269-M	55	.7D/3S	7.64
086	E V 154	V-M 29286-A	51	.7S/3S	5.88
087	E-V 154D	V-M 29286-B	51	.7D/3S	8.23
088	E-V 148	V-M 29286-C	51	.7S/3S	4.67
089	E-V 148D	V-M 29286-C	51	.7D/3S	7.61

PLUG-IN MONOPHONIC CARTRIDGES

Stock No.	Mfr's Type	Exact Replacement For:	Fig.	Needle(s)	EACH
81 U 090	Ast. 81T	Astatic 81T	63	1S/3S	2.32
81 U 091	Ast. 81TB	Astatic 81TB	64	1S/3S	2.91
81 U 092	Ast. 81TX	Astatic 81TX	63	1D/3S	4.67
81 U 093	Ast. 81TBX	Astatic 81TBX	64	1D/3S	5.26
81 U 094	Ast. 83-1	Astatic 83-1	63	1S	2.06
81 U 095	Ast. 83-1X	Astatic 83-1X	63	1D	7.06
81 U 096	Ast. 89T	Astatic 89T	63	1S/3S	2.91
81 U 097	Ast. 89TX	Astatic 89TX	63	1D/3S	6.44
81 U 098	E-V 51	E-V 51, 51-1	65	1S/1S	2.32
81 U 099	E-V 56	E-V 56	65	1S/3S	2.32
81 U 100	E-V 56B	E-V 56B	66	1S/3S	2.91
81 U 101	E-V 56D	E-V 56D, 56DS	65	1D/3S	5.85
81 U 102	E-V 83	RCA 108536	63	1S	2.06
81 U 103	E-V 89	RCA 108555	63	1S/3S	2.91
81 U 104	E-V 76	Webcor A1919	67	1S/3S	2.32
81 U 105	E-V 76D	Webcor A1920	67	1D/3S	5.85
81 U 106	E-V 110	Zenith 142-72, 142-73	68	2S	2.94
81 U 107	E-V 116	Zenith 142-87	69	1S/3S	2.32
81 U 108	E-V 111	Zenith 152-77	70	1S/3S	4.41
81 U 109	Ast. 97-1	Zenith S-15222	71	1S	2.06
81 U 110	Ast. 97-2	Zenith S-15780	71	2S	2.06

PLUG-IN STEREOPHONIC CARTRIDGES

Stock No.	Mfr's Type	Exact Replacement For:	Fig.	Needles	EACH
81 U 257	Ast. 13T	Astatic 13T	72	.7S/3S	4.09
81 U 256	Ast. 13TB	Astatic 13TB	64	.7S/3S	4.67
81 U 259	Ast. 13TX	Astatic 13TX	72	.7D/3S	6.44
81 U 258	Ast. 13TBX	Astatic 13TBX	64	.7D/3S	7.03
81 U 458	E-V 66	E V 66	73	.7S/3S	3.50
81 U 459	E-V 66D	E-V 66D, 66DS	73	.7D/3S	7.61
81 U 462	E-V 106	E-V 106	74	.7S/3S	3.50
81 U 463	E-V 106D	E-V 106, 106DS	74	.7D 3S	7.61
81 U 466	E-V 108	E-V 108	75	.7S/3S	3.50
81 U 467	E-V 108D	E-V 108D, 108DS	75	.7D/3S	7.61
81 U 113	E-V 104	Sonotone N10T2-S	76	.7S/3S	5.70
81 U 114	E-V 104D	Sonotone N10T2-SD	76	.7D 3S	7.64

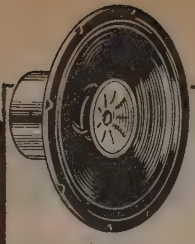
SINGLE-NEEDLE STEREOPHONIC CARTRIDGES

81 U 403	E-V 21	E-V 21	77	.7S	5.59
81 U 413	E-V 21D	E-V 21D	77	.7S	8.82

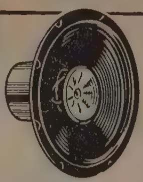
Lincoln® Budget-Priced Speakers

3-ELEMENT SPEAKERS

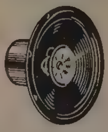
LINCOLN



15-Inch Speaker
$13.95



12-Inch Speaker
$9.95



8-Inch Speaker
$8.95

- Woofer, Tweeter, Whizzer Combinations
- Baked-on Lacquer Finish
- Alnico V Magnets For Wide-Range Sound

Excellent for replacement use in many phonos, radios, and TV sets. Install easily in modern, slim-line enclosures. Excellent as extension speakers. All models have built-in electrical crossovers to separate high and low frequencies. Whizzer cones have mechanical crossovers. Feature 1″ voice coils for high-quality performance. 8 ohms impedance.

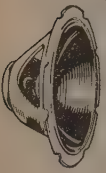
8″ SPEAKER. Woofer with whizzer cone and 3-oz. magnet provides good bass (down to 45 cps) and clean midrange. 3″ tweeter with .68-oz. magnet delivers treble response up to 14,000 cps. Capacity, 10 watts. 8″ deep. Shpg. wt., 6 lbs.
59 U 560 .... 8.95

12″ SPEAKER. Larger cone, wider response, greater power-handling capacity. Woofer has whizzer cone and 6-oz. magnet. 4″ tweeter has .68-oz. magnet. Together, they give you a full-range response of 40 to 16,500 cps. Power capacity, 15 watts. 10″ deep. Shpg. wt., 11 lbs.
59 U 534 X 9.95

15″ SPEAKER. Giant woofer cone has mid-range whizzer and 10-oz. magnet. 5″ tweeter has 1.47-oz. magnet. Delivers smooth 35-14,500 cps response. Power capacity, 20 watts. 12″ deep. Shpg. wt., 12 lbs.
59 U 537 X 13.95

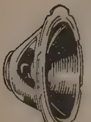
12″ AND 8″ WOOFERS AT LOWEST COST

LINCOLN



12-Inch Woofer
$5.95

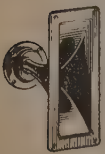
12″ WOOFER. Excellent for use with tweeter and mid-range horn listed below. Perfect in low-cost speaker systems or replacement use. Features 6.8-oz. magnet and voice coil. Frequency response, 40 to 6000 cps. Power handling capacity, 18 watts. Voice coil impedance, 8 ohms. Wt., 4¾ lbs.
59 U 538 X 5.95



8-Inch Woofer
$4.95

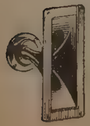
8″ WOOFER. For use in systems where space is at a premium. Excellent results when used with tweeter and horn listed below. Same magnet weight and voice coil size as 12″ model above. Frequency response, 40-6000 cps. Power capacity, 12 watts. Impedance, 8 ohms. Shpg. wt., 2 lbs.
59 U 491 X 4.95

TWEETER AND MIDRANGE HORNS



4x10″ Mid-Range
$7.95

4x10″ MID-RANGE HORN. Adds startling realism to most speaker systems. Reinforces middle-range frequencies. Use with woofer and tweeter listed above for a low-cost 3-way system. Frequency response, 600-12,000 cps. Capacity, 30 watts. 1.4-oz. magnet. Complete with crossover capacitor. 8 ohms. Shpg. wt., 3 lbs.
59 U 540 .... 7.95

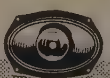


2x6″ Tweeter
$6.95

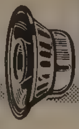
2x6″ COMPRESSION TWEETER. Efficient design provides wide-angle dispersion. Built-in crossover capacitor simplifies installation—hook it up with either woofer above for budget-priced 2-way speaker system. 2000-18,000 cps. 1.4-oz. magnet, ¾″ voice coil. Power capacity, 30 watts. Impedance, 8 ohms. Wt., 1¾ lbs.
59 U 539 .... 6.95

LOW-COST EXTENDED-RANGE COAXIAL SPEAKERS

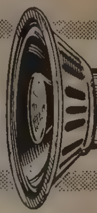
Versatile Two-Way Speakers Offer Top-Dollar Value



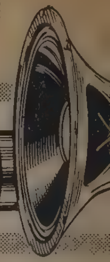
6x9″ Speaker
$6.95



8-Inch Speaker
$6.95



12-Inch Speaker
$8.95



15-Inch Speaker
$12.95

Impressive coaxial speaker buys. Ideal for use in low-cost systems or as extension speakers. All have built-in ele crossovers. Provide clear highs and smooth, undistorted Feature heavy-duty 1″ voice coils except 6x9″ size whic ¾″. Impedance, 8 ohms. Made in U.S.A.

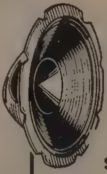
15″ COAXIAL SPEAKER. Woofer has 10-oz. Alnico V magn tweeter has 1.47-oz. magnet. 40-13,000 cps response; crosso 1800 cps. Power capacity, 20 watts. Shpg. wt., 8 lbs.
59 U 553 X 1

12″ COAXIAL SPEAKER. Woofer has 6-oz. magnet; 4″ tweet .68-oz. magnet. 40-15,000 cps response, crossover at 250 Power capacity, 15 watts. Shpg. wt., 5 lbs.
59 U 551 X ....

8″ COAXIAL SPEAKER. Woofer has 3-oz. magnet; 3″ tweet .68-oz. magnet. 50-13,000 cps response, crossover at 300 Power capacity, 9 watts. Shpg. wt., 6 lbs.
59 U 552 ....

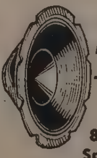
6x9″ COAXIAL SPEAKER. Oval speaker with 3-oz. magnet. 3″ er has .68-oz. magnet. 50-15,000 cps response, crossover at cps. Capacity, 8 watts. Shpg. wt., 1½ lbs.
59 U 554 ....

FULL-RANGE SPEAKERS AT LOW ALLIED PRICES



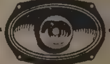
¾-Lb. Magnet

12-Inch Speaker
$10.95



10-Oz. Magnet

8-Inch Speaker
$5.95



4.8-O Magn

6x9-Inch Speaker
$4.95

High-quality wide range speakers. Ideal for either replace use in existing equipment or installation in new systems. fect for P.A. systems, stereo systems, TV sets, etc. Feature h magnets and rugged construction for smooth frequency resp and dual cones for extended highs. All have voice coil impe of 8 ohms. Teflon, finger-tip terminals for easy hookup.

12″ SPEAKER. 1½″ voice coil is epoxy bonded to seamless Metal parts cadmium-plated. Frequency response, 20 to 1 cps with proper baffling. ¾ lb. magnet. Power capacity, 30 w Depth, 6¾″. Shpg. wt., 8 lbs.
59 U 527 X 10

8″ SPEAKER. Moderately priced, delivers smooth response fro 13,500 cps. 10-oz. ceramic magnet. 1″ voice coil. Capacit watts. Cone has special rim treatment to minimize possibili diaphragm distortion. Wt., 4¼ lbs.
59 U 528 5

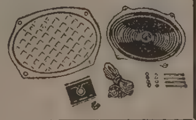
6x9″ SPEAKER. Employs special cone rim treatment with 1″ coil for high efficiency, wide response. Handles musical peal 10 watts. 4.8 oz. ceramic magnet. 55 to 14,000 cps. Depth, Shpg. wt., 2 lbs.
59 U 452 4

Top Values in Replacement and Auto Speakers

LINCOLN

AUTO RADIO SPEAKERS, REAR-DECK KITS

STANDARD REAR-DECK AUTO SPEAKER KITS



As Low As $3.29

gain priced. Ready for k installation in any Assure greatly im- ed sound distribution. akers allow passengers ar to hear radio clearly. ıdes: quality PM speak- dash-mounting, pre- d 3-position control ch; grille; wire; tem- e; screw terminals for easy mounting and easy-to-follow instruc- s. Shpg. wts., 5x7″ Kits, 2 lbs.; 6x9″ Kits, 2½ lbs.

lle	Stock No.	Size	EACH	Stock No.	Size	EACH
	59 U 473	5x7″	3.29	59 U 468	6x9″	3.79
me	59 U 474	5x7″	3.49	59 U 469	6x9″	3.99

DELUXE REAR-DECK AUTO SPEAKER KITS

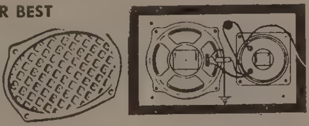
- th Duo-Type 6x9″ Speakers
- Provide Extended Range Response
- ve High Frequency Whizzers
- With 3-Way Speaker Switch

-to-install, quality extended-range speaker kits with duo- 6x9″ speakers. Have specially designed high-frequency whizzer eaker's center. Provide rich, balanced reproduction of bass and e. Employ natural baffle of automobile body to deliver smooth oduction without harshness or distortion. Dash-mounted, 3-way ch permits playing radio speaker only, rear speaker only, or both ltaneously. With hardware, dash switch, wire and instructions. nsistorized type kits have 8-20-40 ohm speaker and volume rol. Shpg. wt., 2½ lbs.

lon-Transistorized Radios.	For Transistorized Radios.
430. Gray Grille......3.89	59 U 401. Gray Grille......4.89
429. Chrome Grille....3.99	59 U 402. Chrome Grille...4.99

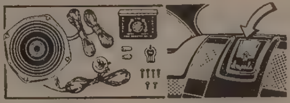
LINCOLN OUR BEST

EAR DECK KIT



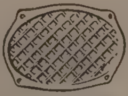
y "surround sound" our car. 5″ woofer, weeter, crossover, d and assembled on e plate. Fits 6x9″ out. With volume rol, hardware, chrome grille. Imp., 8-20-40 ohms. 2½ lbs.
403 .... 6.98

LINCOLN REAR-SEAT SPEAKER KIT



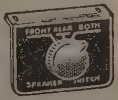
cars with recessed in middle of rear . Kit includes; 6″ d multi-impedance ker, 3-way volume rol; dial plate; knob ectors; wire; hard- . 8-20-40 ohms. Less grille. Shpg. wt., 2 lbs.
450 .... 5.95

LINCOLN SPEAKER ACCESSORIES



KER GRILLES. Distinctive chrome-finish s for rear-deck speakers. Stay bright for s. With hardware. Wt., 1 lb.

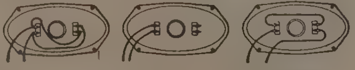
494. For 6x9″ Speakers.............. .98
495. For 5x7″ Speakers.............. .88



CTOR SWITCH. Mounts on dashboard, al- you to select front, rear, or both speakers ltaneously. Complete with hardware, in- ctions. Shpg. wt., 3 oz.
524 .... .79

UTAH UNIVERSAL AUTO REPLACEMENT SPEAKERS

ch Speaker ches 8-20-40 s Impedance



8–10 ohms 20 ohms 40 ohms

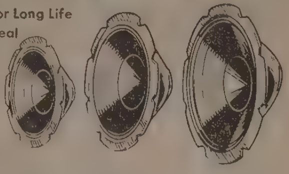
ptionally easy to install. Each speaker has two separate voice , can be quickly connected in place of your 8-10, 20 or 40-ohm ker. Av. shpg. wt., 9 oz.

ck No.	Mfr's Type	Size	Magnet Wt.	EACH
U 556	SP57D-MI	5x7″	1.47 oz.	4.11
U 557	SP69D-MI	6x9″	1.47 oz.	4.35
U 558	SP410E-MI	4x10″	2.15 oz.	5.07

CADENCE SPEAKERS

utah

- Designed for Use With Amplified Musical Instruments
- Cone Edges Treated for Long Life
- Exclusive Internal Dust Seal
- Utilize Heavy Barium-Ferrite Magnets

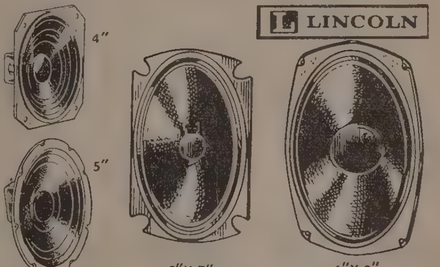


8-Inch Speaker 12-Inch Speaker 15-Inch Speaker

For replacement use with electric organs, amplified guitars (bass and regular), accordions. Engineered to sound better, last longer than original equipment. Cone edges are treated to assure long service, guarantee linear voice-coil travel. Voice-coil leads are made of 66 copper strands over mercerized cotton core for maximum flexibility. Epoxy bonds between cone and voice coil are virtually indestructible. Magnetic return circuits and barium-ferrite magnets are also epoxy bonded for positive, lasting alignment. Utah's exclusive internal dust-seal provides additional protection. Impedance: all models, 8 ohms. Wattage ratings are conservatve, may be upgraded in large, sturdy cabinets. *Use: EO, electronic organ; G, guitar; BG, bass guitar; All, accordion plus all others.

Stock No.	Model No.	Size	Magnet Oz.	* Use	Wt., Lbs.	EACH
59 U 516	MI-8JC	8″	10	EO, G	2¾	8.37
59 U 517	MI-10JC	10″	10	EO, G	3	9.57
59 U 518 X	MI-12JC	12″	10	EO, G	3¾	10.17
59 U 519 X	MI-12PC	12″	20	All	6	14.97
59 U 520 X	MI 12PXC	12″	28	All	9	19.50
59 U 521 X	G12R	12″	32	EO, BG	10½	27.00
59 U 523 X	MI-15PXC	15″	28	All	12	23.70
59 U 525 X	G15R	15″	32	EO, BG	12¼	30.00
59 U 526	MI-69JC	6x9″	10	G	2¾	8.10

LINCOLN



GENERAL-PURPOSE REPLACEMENT SPEAKERS

- For Universal Replacement Use
- Ruggedly Constructed
- Built to EIA Standard Dimensions
- Precision-Centered Elements

As Low As $1.25

Quality permanent magnet speakers at very low prices. Actually cost less than a reconing job. Designed for universal replacement use—also recommended for new equipment. Big money savers for radio-TV servicemen, as well as "do-it-yourselfers." Built to EIA standard dimensions—rugged construction throughout. Rigid frame assures permanent alignment of parts. Magnet and voice coil are precision centered. All have dustproofed coils for longer life, more reliable performance. Made in U.S.A. Impedance, 3.2 ohms except † 8 ohms. *Extended range type. §Indicates pincushion shaped baskets.

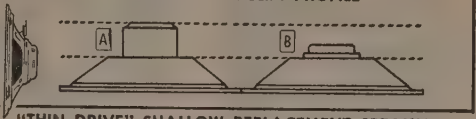
Stock No.	Size	Shape	Mag. Oz.	Max. Watts	Wt., Lbs.	EACH
59 U 476	4″	Square	.68	3.0	½	1.25
59 U 477	5″	§PC	.68	3.5	¾	1.45
59 U 472	5x7″	Oval	1.0	5.0	1	1.99
59 U 471	6x9″	Oval	1.47	8.0	1¼	2.49
59 U 493	*6x9″	Oval	1.47	8.0	1¼	2.69
59 U 416	†6x9″	Oval	1.47	8.0	1¼	2.49
59 U 470	8″	§PC	2.15	9 0	1½	2.79
59 U 542	†8″	§PC	2.15	9 0	1½	2.59
59 U 529 X	12″	Round	3.16	10 0	3¾	4.44
59 U 543 X	†12″	Round	3 16	10 0	3¾	3.98

Speakers by Quam, Utah and Misco

"THIN DRIVE" SPEAKERS

- Fit Anywhere—End Replacement Guesswork
- Compatible with New Miniaturized Components
- Provide More Drive Per Ounce, Better Response

FEATURE EXTRA-SLIM PROFILE



"THIN DRIVE" SHALLOW REPLACEMENT SPEAKERS

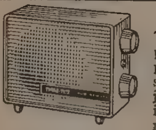
Slim profile of "Thin Drive" speakers is achieved by G.E.'s new wafer-thin magnet. Compare speakers in drawing, above—Fig. A shows standard speaker with normal pot; Fig. B shows "Thin Drive" speaker with one-piece pot. 3.2-ohm imp. Av. wt., ¾ lb.

Stock No.	Mfr's Type	Size In.	Shape	Magnet Oz.	Watts	EACH
59 U 456	SP35A	3½	Square	.68	3	2.31
59 U 457	SP4Y	4	Square	.55	4	1.77
59 U 420	SP5Y	5	Pincushion	.55	4	2.10
59 U 458	SP6A	6	Pincushion	.75	6	2.70
59 U 459	SP8D	8	Pincushion	1.47	8	3.66
59 U 466	SP53Y	5x3	Oval	.55	4	2.37
59 U 406	SP57A	5x7	Oval	.75	4.5	2.97
59 U 467	SP69B	6.9	Oval	1.00	7	3.90

NEW UTAH HIGH-EFFICIENCY "MICRO GAP" SHALLOW SPEAKERS

Feature exceptionally shallow construction and efficient Alnico V magnets with a gap flux that equals or exceeds EIA standards. Impedance, 3 to 4 ohms, except Types SP8J8 and SP12J8, which have 8 ohms. Type SP25A is for transistorized circuits. "PC" in table, below means pincushion. *Indicates speaker has transformer mounting facilities.

Stock No.	Mfr's Type	Shape	Size	Watts	Depth	Mag. Oz.	Lbs.	EACH
59 U 500	SP25A	Square	2½″	2	1 5/16″	.68	¼	2.37
59 U 501	SP3A	Square	3″	3	1⅜″	.68	¼	2.28
59 U 502	*SP4B	Square	4″	4.5	1 11/16″	1.00	¾	2.61
59 U 503	*SP5B	PC	5″	5	1⅞″	1.00	¾	2.67
59 U 505	*SP6D	PC	6″	6.5	2 9/32″	1.47	¾	3.24
59 U 507	*SP6FL	PC	6″	8	3″	3.16	1½	4.50
59 U 508	*SP8G	Round	8″	10	3 9/32″	3.16	2	5.40
59 U 509	*SP8J8	Round	8″	12	4 1/16″	6.8	3¼	7.17
59 U 510	*SP12J8	Round	12″	14	5 7/16″	6.8	4¾	8.25
59 U 511	SP46A	Oval	4x6″	4	1 23/32″	.68	½	2.73
59 U 512	SP57D	Oval	5x7″	6.5	2 9/32″	1.47	1	3.60
59 U 513	SP69D	Oval	6x9″	7.5	2⅞″	1.47	1¼	4.17
59 U 514	SP69G	Oval	6x9″	10	3 9/32″	3.16	1¾	5.52



PERSONAL REMOTE SPEAKER

This speaker lets you enjoy good-quality, personalized listening to your TV, radio or phonograph. Excellent as an extension speaker, too. Has two controls—one adjusts the volume of the unit you're listening to, the other adjusts the volume of the remote speaker itself. Either speaker can be fully turned off. Both speakers can be turned on simultaneously. Remote speaker is very easy to install. Just connect cable from remote to speaker leads in your radio, TV, or phonograph. Has attractive, high-impact ivory plastic case, 4x4x2″. Comes complete with 20-ft. of cable. From Japan. Shpg. wt., 1 lb.

59 U 515..3.95

UTAH ALUMINUM-CONE SPEAKER

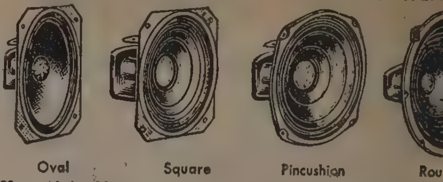
Designed specifically for outdoor uses. Features a 4″ spun-aluminum cone that cannot absorb moisture, or become brittle when exposed to sunlight. Has highly efficient .68-oz. Alnico V magnet. Power handling capacity, 4 watts. Impedance, 8 ohms. Shpg. wt., ½ lb.

59 U 496..2.70

FIBER-CONE SPEAKER. Similar in design and construction to the speaker above, but for use in protected areas. Has Alnico V, 1-oz. magnet. 4 watts. 8 ohms. ½ lb.

59 U 497..2.61

QUAM GENERAL-PURPOSE REPLACEMENT SPEA



Have Alnico V magnets, baked-enamel finish. *Very shallow Imp., 3.2 ohms, except types for transistor uses: 22A06 22A06Z100, 100; 27A06Z12, 12. "PC" in table is pincushion

Stock No.	Mfr's Type	Shape	Size	Cap., Watts	Mag. Oz.	Wt., Lbs.
59 U 424	22A06Z8	Round	2¼″	.25	.45	¼
59 U 425	22A06Z100	Round	2¼″	.25	.45	¼
59 U 422	25A07	Square	2½″	1.5	.65	¼
59 U 426	27A06Z12	Round	2¾″	.25	.55	¼
59 U 485	30A05	Square	3″	2.0	.55	¼
59 U 453	3A07	Square	3½″	2.5	.65	½
59 U 417	4A05	Square*	4″	2.5	.55	¼
59 U 421	35A05	Oval	3x5″	2.0	.55	½
59 U 434	4A07	Square*	4″	3.0	.65	½
59 U 435	4A1	Square	4″	3.0	1.0	¾
59 U 436	4A15	Square	4″	3.0	1.47	¾
59 U 454	46A07	Oval	4x6″	3.5	.65	¾
59 U 461	46A15	Oval	4x6″	3.5	1.47	1
59 U 427	48A2	Oval	4x8″	4.5	1.4	1
59 U 484	410A2	Oval	4x10″	6.0	1.4	1¼
59 U 437	5A07	PC	5″	3.5	.65	¾
59 U 438	5A1	PC	5″	3.5	1.0	1
59 U 439	5A15	PC	5″	3.5	1.47	1
59 U 478	52A1	PC	5¼″	4.0	1.0	1
59 U 405	52C10	PC	5¼″	10.0	10.0	2⅛
59 U 455	57A1	Oval	5x7″	5.0	1.0	1
59 U 447	57A21	Oval	5x7″	5.0	2.15	1¼
59 U 487	58A15Z8	Oval	5x8″	5.0	1.47	1
59 U 440	6A1	PC	6½″	5.0	1.0	1
59 U 445	6A31	PC	6½″	6.0	3.16	1½
59 U 462	69A2	Oval	6x9″	8.0	1.4	1½
59 U 463	69A3	Oval	6x9″	10.0	3.2	1¾
59 U 407	69A1S	Oval*	6x9″	6.0	1.2	2⅛
59 U 549	7A21	PC	7″	6.0	1.4	1
59 U 443	8A21	PC	8″	7.0	2.15	1½
59 U 444	8A31	PC	8″	9.0	3.16	2¼
59 U 480	10A6A	Round	10″	12.0	6.8	3½
59 U 533X	12A6A	Round	12″	14.0	6.8	4½

WEATHERPROOFED OUTDOOR SPEAKERS

"Humi-Gard" cone of plastic impregnated fiber fabric ou ordinary moisture-proofed cones. Impedance, 3.2 ohms.

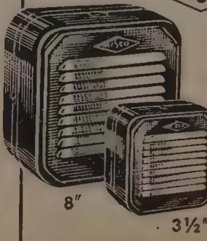
Stock No.	Type	Size	Shape	Watts	Magnet	Lbs.
59 U 432	3A07OT	3½″	Square	2.5	.65 oz.	½
59 U 548	4A05OT	4″	Square	2.5	.55 oz.	¼
59 U 547	5A05OT	5″	Pincushion	3.0	.55 oz.	¼

45-OHM INTERCOM SPEAKERS

PM speakers for replacement in intercommunications system

Stock No.	Type	Size	Shape	Magnet	Shpg. Wt.
59 U 481	3A07Z45	3½″	Square	.65 oz.	½ lb.
59 U 482	4A1Z45	4″	Square	1.0 oz.	¾ lb.
59 U 483	5A1Z45	5″	Pincushion	1.0 oz.	1 lb.

MISCO ALL-WEATHER SPEAKERS FIGHT MOISTURE AND DIR



Ruggedly Constructed
for Outdoor Functions
Under all Conditions

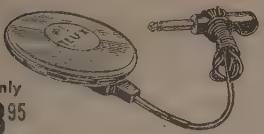
Each speaker is housed in a rug 20-gauge steel enclosure that weatherproof and dustproof. W stands the destructive effects of midity, temperature, shock and rosive climates. Perfect for pa outdoor theaters, factories, etc. acoustically designed louvers, perforated plate backing. Trea speaker cones. Impedance, 8 oh Type MS-3BB, 3½″ "Mini-Speak has 1-oz. magnet; is 4x4x2⅝″. 3-w capacity. Type MMS-8-F, 8″ "Mu Mini" has 3.16-oz. magnet; is 9 4¼″. 70-13,000 cps response. Po handling capacity. 8 watts.

59 U 414. MS-3BB. 1½ lbs.....5.

59 U 550. MMS-8-F. 5 lbs.....12

illow Speakers, Earpieces, Phone Pickups

PILLOW SPEAKERS



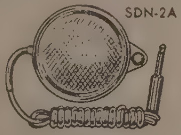
Only
3^{95}

ORO-TEST MAGNETIC SPEAKER

. Flat speaker specially made to fit com-ably under your pillow. Listen to late or radio programs without disturbing rs. Has standard 8-ohm impedance to ch the output of most radio sets. Use tape recorder or phono for "sleep ning." Waterproof speaker is fully in-ted, cannot shock. Sealed against cor-on, dirt. Plastic housing easily sterilized. ot cord, miniature (9/64" dia.) phone plug. thick, 2¼" diameter. 6 oz.
J 092........................3.95

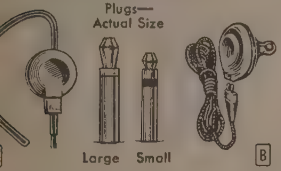
TELEX
YNAMIC PILLOW PEAKERS

Approved inless Steel



l for space-age "sleep learning," late t listening. Perfect for private listening ospitals—VA approved. Completely in-ted. Moving-coil diaphragm for wide onse. Ring for hanging out of way when n use. Size, 1⅛x3¾". Has 5′ cord, std. phone plug. Shpg. wt., 12 oz.
246. SDN-2A. 3.2 ohms........6.55
256. SDM-2A. 10,000 ohms. 9.00
067. SDM-7A. 10,000 ohms; includes me control....................11.50

RADIO EARPIECES



A STANDARD EARPIECES

lacement earpieces for transistor radios, 3-foot cord and plug. Match your ent plug diameter with illustration to r correct Stock No. *For GE and West-ouse made before 1960. ‡Imported from mark. †From Japan. Wt., 5 oz.

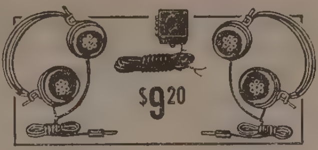
tock No.	Plug Size	EACH
6 U 024	†Small	.69
6 U 025	†Large	
6 U 032	†*	
6 U 034	‡Small	1.69
6 U 038	‡Large	
6 U 039	‡*	

B SUPER-POWER EARPIECE

remely sensitive dynamic earpiece. Ideal low-output transistor circuits or any -type circuit where a high-impedance amic earpiece can be used. Powerful net produces up to three times the d of other dynamic types. AC imped-, 7000 ohms. DC resistance, 1500 s. Equipped with small-diameter plug—llustration above. Has 3-ft. cord. From mark. Shpg. wt., 4 oz.
045..........................2.89

TV-RADIO PRIVATE-LISTENING SETS

Convenient headphones and earpieces for TV or radio listening without disturbing others. For the hard-of-hearing, also.



CANNON TV-RADIO PHONE KIT

Aids hard-of-hearing. Allows private listening without disturbing others, or simultaneous operation with speaker. Control box has volume control and speaker/phones switch. Includes two pairs of dual headphones, control box and 15-ft. cord. Wt., 3 lbs.
86 U 133......................9.20

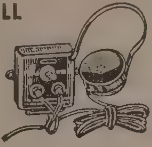
86 U 135. As above, but with only one pair of phones. Wt., 2 lbs.........6.93

86 U 137. Control Box Alone. Shpg. wt., 9 oz..........................4.62

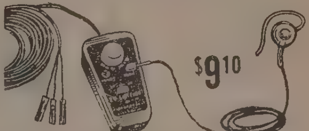
86 U 105. Headset Alone. Shpg. wt., 1¼ lbs....................Each 2.42

CANNON-BALL
HEARING AID

3^{38}



Popular hearing aid for use with radio or TV set. Comfortable headphone. Control box has selector control switch for choice of listening with headphone only, speaker only, or headphone and speaker simultaneously. With control box, connecting cables for attachment to speaker and attachment of headphone to control box, instructions. Low-impedance headphone matches output of radio or TV set. Wt. 1 lb.
86 U 087.....................3.38

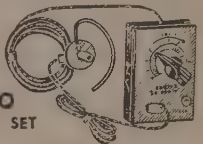


TELEX LCP-90 TV-RADIO LISTENER

For private listening, or the hard-of-hearing. Volume control. Jacks for 2 earpieces. Switch turns speaker on or off—works either way. No soldering. With one earpiece. 15′ cord.
86 U 234. Wt., 1 lb.............9.10

86 U 281. Extra Earpiece. Enables two to listen at once. ¼ lb...........2.85

5^{10}



FEDTRO
EARPHONE SET

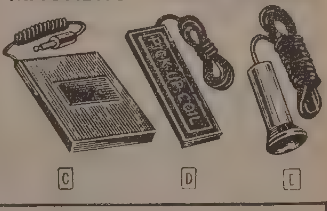
Easily connected to any radio or TV set. Sensitive, lightweight earpiece adjusts to fit either ear. Ivory plastic control box has volume control, 17-ft. cable and two jacks. One jack mutes speaker for listening with earpiece only. Other jack permits one person to listen from earpiece, while others listen from speaker—ideal where one family member is hard-of-hearing. From Japan. 1 lb.
86 U 217.......................5.10

C KORD-O-KOIL PICKUP. For cradle phones only. 6-foot cable with standard phone plug. ⅝x5½x9¼". 1¾ lbs.
58 U 295......................5.88

D MAGNETIC RECORDING INDUSTRIES VM-938 PICKUP. For any telephone. 5-foot cable; less plug. ¾x1¾x4". ½ lb.
58 U 296......................2.98

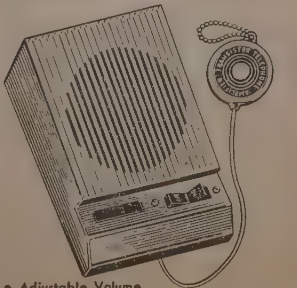
E MAGNETIC PICKUP. Suction cup attaches to telephone. With 3-foot cable; less plug. Shpg. wt., ¼ lb.
39 U 392..........................98

MAGNETIC PHONE PICKUPS



PORTABLE TELEPHONE AMPLIFIER INCREASES PHONE VOLUME TO NORMAL ROOM LISTENING LEVEL

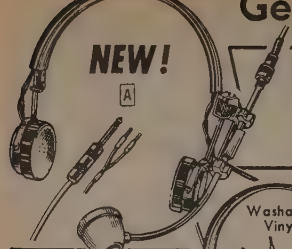
8^{95}
- Leaves Hands Free For Writing
- Transistorized—Instant Operating
- Battery-Saver Switch



The "Phone Talk" portable telephone amplifier enables you to listen to your telephone from any part of the room. Any number of people can listen—useful for group conversations. Leaves your hands free for writing or working. Transistorized for instant operation. Volume control. Battery-saver switch assures maximum battery life. Black and white plastic case. Size, 4¼x4⅛x2¾". Complete with 9-volt battery. From Japan. Shpg. wt., 2 lbs.
58 U 290.......................8.95

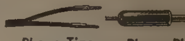
- Adjustable Volume
- Battery Operated

General-Use Communications Headsets

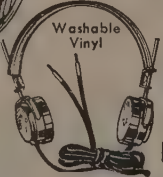


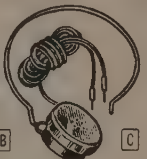
LINCOLN LOW-COST HEADSETS FOR EVERY NEE

Durable headsets, made of washable materials. Ideal for language labs, Hams, SWL, hard-of-hearing installations and many more applications. With phone tips, except 86 U 283, phone plug.



BOOM-MIKE HEADSET AT LOWEST COST





A 2000-OHM HEADPHONES WITH BOOM-MIKE. Low-cost double phones with Turner high impedance crystal boom-mike. Vinyl-covered headbands, Alnico magnets, inside terminals, 4½′ cotton-covered tinsel cord. Phone response, 500-9000 cps. Mike response, 50-10,000 cps. 1⅞″ diaphragm. Shpg. wt., 3 lbs.
86 U 517..12.95
86 U 516. Turner Boom-Mike Alone. Has plug. 1 lb...........10.95

B DUAL HEADPHONES FOR EVERY USE. Have vinyl-covered double headband with easily adjustable yokes. 1⅞″ diaphragm. Inside terminals. Shpg. wt., 1¼ lbs.
86 U 083. 2000 ohms..............................2.08
86 U 084. 3000 ohms..............................2.16
86 U 100. 4000 ohms..............................2.24
86 U 099. 11 ohms................................2.08

HEADPHONE WITH PHONE PLUG. (Not illus.) Above, but ¼″ plug.
86 U 283. 2000 ohms..............................2.50

C 1000-OHM SINGLE HEADPHONE. Suitable for hard-of-hearing installations, receivers, crystal sets, Geiger counters, many more. 1⅞″ diaphragm. Spring-metal headband. 8 oz.
86 U 085..1.08
86 U 086. 1500 ohms..............................1.15

REPLACEMENT PARTS

For all Lincoln headphones on this page.

Stock No.	Description	Oz.	E
86 U 081	Diaphragm (package of two)	2	1
86 U 082	Bakelite cap	2	1
86 U 131	Headband with yokes	9	5

RUBBER EARPHONE CUSHIONS

Slip over earphone caps for maximum wearing cor and reduction of outside noises. Wt., 6 oz.
86 U 103. 1-9 Pairs........................Per Pai
10 or More Pairs...........................Per Pai

HEADPHONE CORDS

Copper conductor, covered with woven c braid. Have 2 phone tips at one end; *refers t posite end of cord. For use with headphones or ceding and following pages as well as this.

DOUBLE CORDS

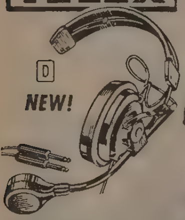
Stock No.	Lgth.	*Terminals	For Use With	E
86 U 158	4½′	Eyelets for inside terminals.	86 U 073, -080, -083, -084, -088, -089, -104, -093, -094, -095, -153	5
86 U 144	4½′	Eyelets	86 U 092	
86 U 146	4½′	Phone tips each end	Govt. & military types	
86 U 138	5′	Eyelets	86 U 283	5
86 U 155	8′	Eyelets	86 U 092	
86 U 157	8′	Phone tips each end	Govt. & military types	7

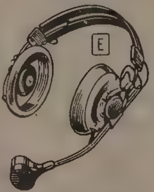
SINGLE CORDS

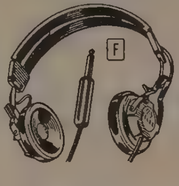
Stock No.	Lgth.	*Terminals	For Use With	E
86 U 143	4½′	Eyelets	86 U 085, -086	3

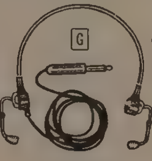
TELEX HIGH QUALITY ALL-PURPOSE HEADPHONES

For Language Labs, Hams, CB'ers—Many More









FAA Approved!
Perfect for Pilots

D MRB-75 "MAGNA-TWIN" MARK III SINGLE HEADPHONE WITH BOOM MIKE. Versatile headset for professional communications, TV and radio crewmen, Hams, CB'ers, pilots and many other applications. Magnetic headset element delivers 50-10,000 cps response; carbon boom mike, 300-4000 cps. Impedances: headset, 500-600 ohms. boom mike, 50 ohms. Mike boom cannot accidentally rotate mike out of position. 5-ft. cord with 2 std. ¼″ phone plugs. Gray. Shpg. wt., 1 lb.
86 U 390. *$5 Monthly*..........24.00
86 U 391. MR-11. Headset without mike. Impedance, 500-600 ohms..........12.00
86 U 392. MR-12. Headset without mike. Impedance, 25,000 ohms..........12.93

E MRB-45 "MAGNA-TWIN" MARK III DUAL HEADPHONE WITH BOOM MIKE. Ideal for language labs. Magnetic headset elements have 50-10,000 cps response. Carbon boom-mike, 300-4000 cps. Headset, 500-600 ohms; mike, 50 ohms. Std. ¼″ phone plug. Gray. Shpg. wt., 2 lbs.
86 U 060. *$5 Monthly*..........30.75
86 U 069. MRB-30. 10,000-ohm headset. High-impedance mike (50-9000 cps).31.65
86 U 051. MR-6. Headset without mike. Impedance, 500-600 ohms..........17.95
86 U 053. MR-4. Headset without mike. Impedance, 10,000 ohms..........17.95

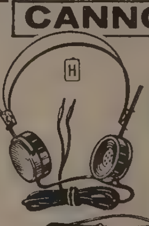
F HM-100 "TELESET." Ideal where maximum speech clarity is required. Magnetic element. 50-10,000 cps. Spring-type stainless steel headband is rubber covered. 6′ cord, std. ¼″ phone plug. 8 oz.
86 U 070. 2000 ohms..........13.30
86 U 301. HM-500. Above, but 500 ohms impedance..........13.30

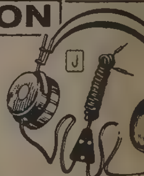
G HTW-2 FAA-APPROVED "TWINSET." Perfect for pilots, Hams, CB'ers, TV and radio crewmen, language labs and secretaries. Sound is "piped" directly into ears by adjustable arms. Background sound remains intelligible for easy cabin conversation. Magnetic receiver elements rest at temples. 5′ cord connects to either element. ¼″ phone plug. With pocket carrying pouch. 10 oz. (Similar unit with Boom-Mike on following page—see BCW-02.)
86 U 262. 500 ohms..........14.25
HTX-2. As above, 1000 ohms.
86 U 047..........14.25

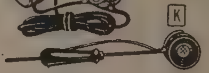
ACCESSORIES

Stk. No.	Model	Description	EA.
86U304	ACT-2	Foam plastic cushions, HM Series. In pairs.	.92
86U305	ACV-1	Foam rubber cushions, MR Series. In pairs.	1.50
86U306	CCM-2	6′ coiled cord for HT	3.25
86U245	CMM-2	Std. replacement cord for HT, with ¼″ plug	2.30

CANNON







H MC-2 "MASTER." Quality headset for eral-purpose applications. Metal have bakelite caps. Inside terminal safety. Powerful chrome steel mag With cord. Shpg. wt., 1¼ lbs.
86 U 153. 2000 ohms..............2
86 U 088 Type MC-3. 3000 ohms....
86 U 089 Type MC-5. 5000 ohms....

EXTRA CAPS AND DIAPHRAGMS FOR MC-3 AND MC-5. 2 oz.
86 U 090. Caps..................Each
86 U 091. Diaphragms. Pkg. of 2.....

J AM-25-2 ALNICO V PHONES. Have erful Alnico permanent magnets fo cellent sensitivity and response. Dual in each case. 1⅞″ diameter diaphragms side terminals for safety. Adjustable sp steel headband. 4½-ft. cord has phon terminals. 1 lb.
86 U 061. 2000 ohms..............4.
86 U 062. AM-25-4. 4000 ohms......
86 U 065. AM-25-24. 24,000 ohms....

K LORGNETTE. Hand-held magnetic phone for churches, theatres. Earpl 2⅛x¾″ dia. Handle extends to 14″. I 1000 ohms. 6-ft. cord. 10 oz.
86 U 072..........................4.

L SWITCHCRAFT VOLUME CONTROL. versal terminals; phone jack. 2¾ 1¾″. Shpg. wt., 3¼ oz.
86 U 066..........................2.

Language, Secretarial Headsets

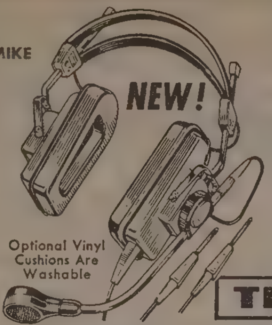
DEL 1200-42 DUAL HEADSET WITH BOOM MIKE

eets All Specifications Required for
e in Language Laboratories
ag. Headsets, Noise-Canceling Mike
ashable Vinyl-Covered Headbands

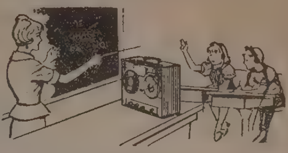
$32⁶⁰
$5 monthly

ixe communications headset meets all requirets for language-laboratory use. Magnetic headset onse, 20-20,000 cps; dynamic noise-canceling ophone response, 100-8000 cps. Impedances: lset, 600 ohms; microphone, 250 ohms. ¼" phone . Gray. Shpg. wt., 1 lb.

J 393. *$5 Monthly*	32.60
J 394. Model 1210-04. Dual phones, no mike.	24.75
J 395. ACV-3 Ear Cushions. For headsets above. hable vinyl-covered foam. 2 oz.....Per Pair	1.50

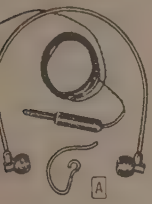

NEW!
Optional Vinyl Cushions Are Washable

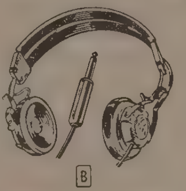
Selected Headsets Designed for Use in Up-To-Date Language Laboratories

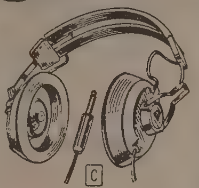


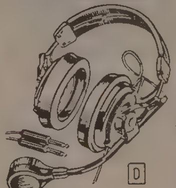
The head sets shown on this page are designed for use in modern language-lab setups. Feature wide response for maximum clarity, plus light weight for comfort.

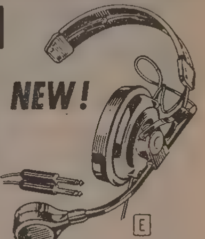
TELEX











IFR-91 DELAYED-SOUND "TELE-FI". Tone rm delays sound to one ear by 1 millind—improves clarity! 60-6000 cps. Imnce, 15 ohms. Earloop included for oneistening. 5′ cord. ¼" plug. 6 oz.

149.	5.75
225. HFV-91. 125 ohms	5.75
048. HFW-91. 500 ohms	5.75
229. HFX-91. 1000 ohms	5.75
154. HFY-91. 2000 ohms	5.75

M-100 TELESET. Language lab headset as magnetic driver, for response of 50-00 cps. Spring-type stainless steel head- is rubber covered and adjustable. ly washable. Impedance, 2000 ohms. cord. Shpg. wt., 8 oz.

070	13.30

FOAM CUSHIONS. For HM-100. Elimi- ear squeeze. Washable. Wt., 6 oz.

304.	Per Pair 92¢

C **MR-6 "MAGNA-TWIN" MARK III.** Muff-style foam rubber cushions. For language labs, etc. Magnetic driver. 50-10,000 cps. 500-600 ohms. Gray. 5-foot cord, std. ¼" plug. Less boom mike. 1½ lbs.

86 U 051	17.95
86 U 053. MR-4. 10,000 ohms	17.95

D DUAL HEADSETS WITH BOOM MIKE

86 U 311. MRB-61. Impedance, 500-600 ohms. 50-ohm noise-canceling dynamic mike (100-9000 cps). 2 lbs.	31.35
86 U 068. MRB-60. 10,000 ohms. 20-ohm dynamic mike (100-9000 cps). 2 lbs.	29.95
86 U 069. MRB-30. 10,000 ohms. High-Z ceramic mike (50-9000 cps). 2 lbs.	31.65

TYPE ACV-2 FOAM CUSHIONS. For MR and MRB Series. Comfort over long periods. Washable. Shpg. wt., 6 oz.

86 U 305	Per Pair 1.50

E **MRB-75 "MAGNA-TWIN" MARK III SINGLE HEADPHONE WITH BOOM MIKE.** Versatile headset, well qualified for language laboratory use. Covers only one ear to allow teacher or pupil to hear questions or conversation in the classroom. Magnetic headset element delivers 50-10,000 cps response for fine, intelligible voice reproduction. Carbon boom mike has 300-4000 cps response. Impedances: headset, 500-600 ohms; boom mike, 50 ohms. Headset has washable vinyl-covered foam ear cushion. Mike boom cannot accidentally rotate mike out of position, moves on spring-loaded nylon sliders. 5-ft. cord with 2 std. ¼" phone plugs. Gray. Shpg. wt., 1 lb.

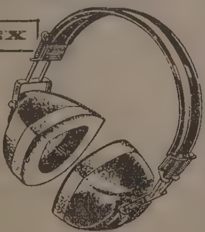
86 U 390. *$5 Monthly*	24.00
86 U 391. MR-11. Headset without mike. Impedance, 500-600 ohms. 13 oz.	12.00
86 U 392. MR-12. Headset without mike. Impedance, 25,000 ohms. 13 oz.	12.93

IEADSET FOR COMMUNICATIONS AND LANGUAGE-LAB USE

UPEREX

24⁹⁵
monthly

oam Cushions
ual Impedance
djustable to
it Each User



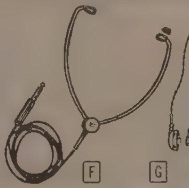
htweight headset, ideal for prolonged as in communications and language oratory work. Soft foam ear cushions to wearer's comfort, eliminating painful ssure on ears when used for long periods time. Block out all extraneous backund noise for greater concentration.

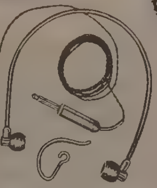
arate adjustment centers permit lengthng or shortening headband to best suit particular needs of each user. Smooth uency response from 60-6000 cps proes highly intelligible voice reception.

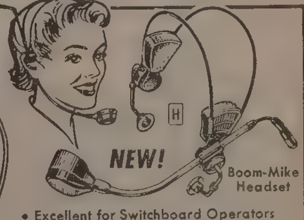
tory-connected for high impedance 600-n output; leads may be easily changed 4-16 ohms for use with individual tape order. Shpg. wt., 3 lbs.

U 302. *$5 Monthly*	24.95

HIGH-QUALITY HEADSETS FOR SECRETARIAL USE







- Excellent for Switchboard Operators
- Provides Sound Without Covering Ears
- Has High Impedance Carbon Mike

F **SECRETARY'S MONOSET.** Lightweight (1.2 oz.), under-the-chin headset for use with office dictation machines. Frequency response, 50-6500 cps. Has magnetic element, metal housing, removable earplugs; 5-ft. cord with std. ¼" phone plug. Maximum input, 25 milliwatts. Replacement cords are same as for "Tele-Fi," below. 8 oz.

86 U 194. HMV-2. 125 ohms	7.55
86 U 193. HMY-2. 2000 ohms	7.55

H **BCW-02 BOOM-MIKE HEADSET.** Lightweight, easy-to-slip-on headset for switchboard and communications. Tone arms pipe sound to ears without covering them. Boom rotates 300°. Single cord gives freedom of movement. Headset impedance, 500 ohms. Hi-Z carbon mike. Less cord, below. 1 lb.

86 U 518. *$5 Monthly*	24.00
86 U 293. CBE-54 Cord. 5-ft. length with std. ¼" phone plug. 3 oz.	8.10

G "TELE-FI" DELAYED SOUND SECRETARIAL HEADSETS

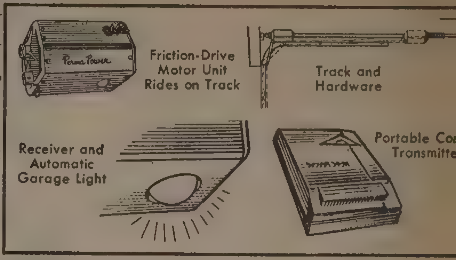
Under-the-chin headset that delays sound to one ear for better clarity. 60-6000 cps response. Earloop for one-ear listening. 5-ft. cord with ¼" plug (replacements, right). 6 oz.

86 U 149. HFR-91. 15 ohms	5.75
86 U 225. HFV-91. 125 ohms	5.75
86 U 048. HFW-91. 500 ohms	5.75
86 U 229. HFX-91. 1000 ohms	5.75
86 U 154. HFY-91. 2000 ohms	5.75
86 U 216. Replacement Cord. 3 oz.	2.30
86 U 313. 5′ Coiled Cord. 3 oz.	3.15
86 U 284. Volume Control Cord. 125 ohms. Shpg. wt., 4 oz.	5.90

NEW! Perma-Power

Remote Garage Door Openers

NEVER BEFORE AVAILABLE AT THIS LOW PRI


Perma Power
Friction-Drive Motor Unit Rides on Track
Track and Hardware
Receiver and Automatic Garage Light
Portable Co
Transmitte

$119.95

$6 monthly

NEW LOW-COST FRICTION-DRIVE GARAGE DOOR OPENER

- New Low Price Permits Every Garage Owner to Have This Great Convenience
- Saves Steps—Takes the Load Off Your Back
- Electronically Opens Garage Door and Turns On Garage Ligh Your Car
- Dependable Friction-Drive Operates Single or Sectional Doors

Now, a radio-controlled garage door opener priced so low, every motorist can enjoy the marvelous convenience of being able to open his garage door from his car! All-transistor system is easy to install—takes only a short time—requires no special tools. Saves you steps—keeps you safe and dry. Simply touch a button on the portable transmitter you carry in your car—your garage door opens and the light goes on! Press the button on the transmitter again, or use the wall-mounted pushbutton, and the door closes and locks. After a few minutes, the garage light turns off automatically, allowing you plenty of time to walk out of the garage in the light. System is completely safe—power shuts off automatically if door-travel is obstructed in any way. Door can also be manually operated at any time. Portable transmitter is small and compact, fits easily in pocket or purse. Operates on crystal-controlled FCC-authorized frequency of 27.255 mc (channel B10)—however, no FCC license is required. Use system with any easy-operating, single or sectional overhead, residential-type garage door using either horizontal or curved roller track—mechanical power is obtained by fr drive. Includes motor mechanism and receiver (for 110-1 50-60 cycle AC), portable transmitter (for 12 v. DC), ant manual pushbutton, wire, hardware and instructions. Shp 60 lbs. Shipped Express.

89 U 008 ZW. Complete System. (Channel B10.) *$6 Monthly* 11

ALTERNATE SYSTEMS AND EXTRA UNITS

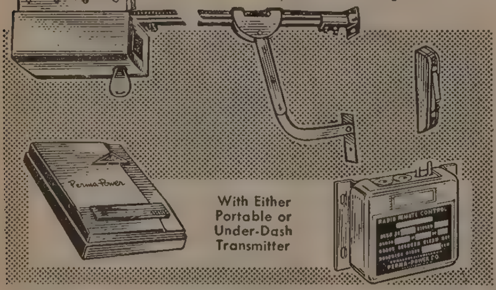
89 U 018. Extra Portable Transmitter. (Channel B10.) For car, etc. Shpg. wt., 1 lb. . . . .

89 U 009 CZF. Complete Alternate Frequency System. (*Specify nel desired.*) Same system as above, but for use in locations neighbor already has system using channel B10. Shpg. wt., Shipped Express. *$6 Monthly* 1

89 U 011 CF. Extra Portable Transmitter for Alternate System (*Specify channel.*) Shpg. wt., 1 lb. . . . .

NEW DELUXE HEAVY-DUTY CHAIN-DRIVE GARAGE DOOR OPENER

Chain-Drive Raises Doors 18 Feet Wide and 8 Feet High



With Either Portable or Under-Dash Transmitter

$149.50

$8 monthly

- Ideal for Residential or Industrial Use
- Automatically Opens or Shuts Door and Turns Garage Light from Car or Truck
- Easy to Install; Requires No FCC License

Newly improved, heavy-duty radio-controlled garage door o for residential or industrial garage doors. Powerful chain raises overhead garage doors up to 18-ft. wide and up to 8-ft. using either a horizontal or curved roller track. Fully trans ized; easy to install using only ordinary tools. Features new tone circuit—unit cannot be falsely keyed by non-system t mitters operating on the same channel. (Transmitters are patible with older models by simply removing clip from PC bo

Once installed, system is the height of convenience! Touch b on transmitter in car, and overhead door opens and garage goes on. Press button again, or use wall-mounted pushb switch, and door closes and locks. After a few minutes (to you to walk out of garage in the light), light automatically out. System is extremely safe—power shuts off if door-trav obstructed in any way. Door can also be manually operated.

Choice of two transmitters—a compact portable unit tha pocket, or an under-the-dash unit with dashboard pushbu Crystal-controlled at 27.255 mc (channel B10). With motor m anism and receiver (for 110-120 v., 50-60-cycle AC), 1 transm (for 12 v. DC), antennas, manual pushbutton, wire, hardw instructions. Requires 2¼" between high arc of door and ce

Complete System with Portable Pocket Transmitter.
89 U 007 ZW. Shpg. wt., 65 lbs. *$8 Monthly* 149

Complete System with Under-Dash Transmitter.
89 U 013 ZW. Shpg. wt., 65 lbs. *$8 Monthly* 14

EXTRA TRANSMITTERS AND KEY SWITCH

EXTRA POCKET-SIZE PORTABLE TRANSMITTER. (For channel B10). For use with Deluxe Remote Door Opener described above; serves as additional control unit. Compact, light, fully transistorized. Easily modified for use with older, non-pulse openers. Built-in antenna and clip for mounting on auto sun visor. 1 lb.
89 U 018 . . . . 19.50

KEY SWITCH. For use with Deluxe Remote System above, for manual operation of garage door from outside (mounts on door jamb, driveway post, side of garage, etc.) With 2 keys. 9 oz.
89 U 015 . . . . 4.20

ALTERNATE FREQUENCY SYSTEM

ALTERNATE FREQUENCY DELUXE DOOR OPENER SYSTEM. Sam above, but for operation on other than channel B10. Specify ch desired; and whether portable or dash-mounted transmitter is wa 65 lbs. Shipped Express.
89 U 012 CZF. *$8 Monthly* 149

EXTRA CONTROL TRANSMITTER FOR ALTERNATE FREQUENCY TEM. For use with System above, as extra control transmitter Specify Alternate System's channel, and whether portable or mounted unit is wanted. 1 lb.
89 U 014 CF 1

You Always Have Top BUYING POWER with your ALLIED CREDIT FUND

FOR ONLY $5 MONTHLY YOU CAN BUY UP TO $100

Just Say "Charge It," and We Will Open an Allied Credit Fund Account for You

et These 7 Outstanding Advantages...

Continuous buying power—your Allied Credit Fund is like a lump deposit of money invested by Allied in your good faith, set aside in your name and ready for use by you alone at any time.

Extra buying power—for only $5 monthly you can buy up to $100.00.

Permanent and self-replenishing—whenever you buy at Allied, you draw out of your Credit Fund, but every payment you make goes back into your Credit Fund ready for you to use over and over again.

Take more than 2 years to pay.

Make "add-on" purchases at any time without a down payment.

You always know where your accounts stands—you get a full statement each month.

Best credit terms in the Industry.

Plus Benefits: A single low monthly payment brings you anything Allied sells. All you pay is a small monthly service charge, which is automatically reduced every time you make a payment. No service charge at all if paid in 30 days.

ere's How Allied's REDIT FUND Works...

hen you first open an Allied CREDIT FUND account, we set up a Credit nd in your name. It allows you a definite amount which we set aside in a mp sum credit deposit for your personal use. Buy anything you want. You always know exactly how much more credit is available to you. Under e CREDIT FUND Plan, you can enjoy top buying power for low monthly yments. Example: For a monthly payment of only $20.00 you can buy up $480.00.

To Open Your Credit Fund Account...

To enjoy the advantages of an Allied CREDIT FUND account, fill in application on back of our order blank—send it in with your order and down payment.

Low Monthly Payments...

You can use all or any portion of the amount in your Fund. Your monthly payments depend on the amount you use (see Table at right).

Each time you buy, you draw against your Fund, but each payment you make goes toward building up more and more credit because you are continually replenishing the Fund. This means you can "add-on" new orders at any time,—up to the full amount of your Credit Fund.

No Down Payment on "Add-on" Orders...

You can "add-on" orders at any time for the unused amount in your Fund with no money down. Just sign your order in the space provided (minimum order $10.00). Determine your monthly payment in the following way:

1. Combine amount of your "add-on" order with your present unpaid balance.
2. See Table at right to find monthly payment for new unpaid balance.
3. If the monthly payment is the same or less than the amount you are currently paying, no change in your monthly payment is required.
4. If monthly payment for your "add-on" order, plus your present unpaid balance is more than you currently pay, we will show the new monthly payment on your next statement.

Simplest, Easiest Plan...

Because you get a detailed personal statement each month, you don't have to bother with bookkeeping. You can check accuracy in seconds. Allied's CREDIT FUND Plan is the last word in low-cost convenience.

o application accepted from persons under 21 years of age.

Have Everything You Want or Need in Electronics—Open an Allied Credit Fund Today or Send an "Add-on" Order

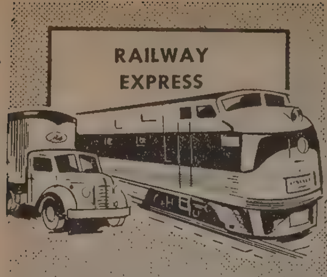
ONLY $5.00 DOWN ON ORDERS UP TO $100.00 AND ONLY $10.00 DOWN ON ORDERS OVER $100.00

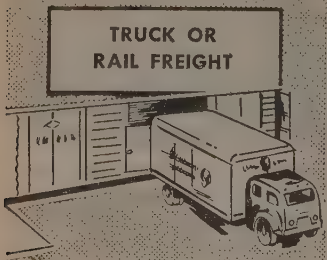
CREDIT FUND PAYMENT TABLE

Monthly Payment	Unpaid Balance (Total amount less any payment)
Only	Buys Up To
$5	$100
$6	$120
$7	$140
$8	$160
$9	$180
$10	$200
$11	$220
$12	$240
$13	$260
$14	$280
$15	$310
$16	$340
$17	$370
$18	$400
$19	$440
$20	$480
$21	$500
$22	$525
$23	$550
$24	$575
$25	$600
$26	$625

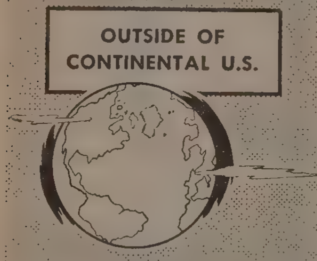
Over $625—Monthly payments will be in proportion to amounts on chart.

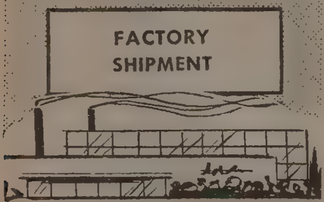
Small Service Charge. Only a small service charge of 1½%, minimum 50c, is added to your monthly balance. There are no other charges. Your monthly statement shows exactly what you pay, what you owe and how much unused credit you have.

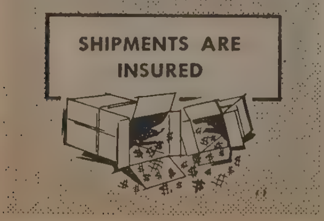




AIR FREIGHT OR AIR EXPRESS


OUTSIDE OF CONTINENTAL U.S.





HELPFUL SHIPPING AN

TRUCK AND RAIL FREIGHT. For heavier shipments, freight is most econ cal. Approximate rates below, vary in different areas. Shipping charges are lected on delivery.

HOW TO ESTIMATE TRUCK FREIGHT CHARGES

Minimum Charge 100 Lbs.	Maximum Distance in Miles							
	50	150	300	500	750	1000	1500	2
	$4.91	$4.91	$5.18	$5.86	$6.58	$7.31	$8.32	$10
150 Lbs.......	4.91	4.91	5.48	5.86	7.47	7.98	12.48	15
200 lbs........	4.91	5.92	7.30	7.66	9.96	10.64	16.64	20
For Each Extra Lb.	Add 2¢	Add 3¢	Add 4¢	Add 4¢	Add 5¢	Add 5¢	Add 9¢	A 1

EXPRESS. Fastest way to ship unmailable equipment. Remit full amoun merchandise, but do not send money to cover Express charges, which are colle on delivery. "U" or "Z" at end of Stock No. designates an unmailable item amples: 92 U 501 U; 92 U 601 Z; 72 U 532 CU, etc.).

HOW TO ESTIMATE EXPRESS CHARGES

(Rates are about 10% higher to eastern states.)

Weight In Pounds	Mileage							
	50	150	300	500	750	1000	1500	22
5	$3.30	$3.45	$3.50	$3.65	$3.75	$3.85	$3.90	$4
10	3.30	3.65	3.70	4.05	4.20	4.40	4.85	5
15	3.45	3.80	3.85	4.40	4.70	4.95	5.75	6
20	3.65	4.00	4.05	4.80	5.15	5.50	6.65	7
25	3.80	4.20	4.25	5.20	5.65	6.05	7.60	8
35	4.15	4.55	4.70	6.00	6.60	7.20	9.45	10
45	4.45	4.90	5.20	6.75	7.50	8.30	11.30	12
55	4.75	5.30	5.70	7.55	8.45	9.45	13.10	14
70	5.30	5.85	6.45	8.70	9.90	11.10	15.90	17
80	5.60	6.20	6.95	9.45	10.85	12.20	17.75	19
For each 100 Lbs.	6.05	6.70	7.70	10.75	12.45	13.10	18.80	21

SHIPPING BY AIR FREIGHT AND AIR EXPRESS

If you have a "rush" order that must arrive sooner than you can get it by sur transportation, we will ship via air freight or Air Express, upon your request. Pl contact your local freight or Express agent for complete information about ship costs. Remit enough with your order to cover value of merchandise, but send n ing for transportation charges, which are collected upon delivery.

SHIPMENTS OUTSIDE OF CONTINENTAL UNITED STATES

We ship orders to Canada, Alaska, Hawaii, APO's, FPO's and U.S. possessions. See detailed information, below. Please allow 30 to 60 days for delivery. We also ship to foreign countries—see "Export Orders," page 500.

CANADA. Our prices are in U.S. currency. We deduct 10% from face value of remittances in Canadian currency. Please add 10% to such remittances. Parcel Post limits: 25 lbs. and 72 inches (length plus girth). 80c for first 2 lbs.; 30c for each additional lb. Insurance fees, below. No C.O.D. or Air Parcel Post. We can ship Express or freight.

ALASKA AND HAWAII. Parcel Post shipments are limited to 70 pounds and 100 inches (length plus girth). Zone 8 rates apply. Insurance fees, below. Air freight, Express, truck or ship, require Marine and Risk Insurance. Air freight or Air Express—10c per $100.00 valuation; truck or ship, 50c per $100.00 valuation.

APO'S AND FPO'S. Air and sur shipments are usually limited t pounds and 100 inches (length girth). Exceptions do exist, so pl determine restrictions to your AP FPO before ordering. Remit cha as follows: **Surface Shipments**— York APO's and FPO's, use Zone 5 cel Post rates; San Francisco, use Z 8 rates. **Air Shipments**—all are 80 pound, plus 8c. No C.O.D. shipme

U.S. POSSESSIONS. Parcel shipments to Canal Zone, Canton land, Guam, Marianna and Mars Islands, Puerto Rico (*see note bel Samoa, Virgin Islands and Wake Is are limited to 70 lbs. and 100 in (length plus girth). Remit for cha based upon Zone 8 rates. No C. shipments. *Note: Commonwealt Puerto Rico imposes excise taxes electrical appliances (hi-fi syste components, etc.) of at least 15 invoice price, collected on delivery

SHIPMENTS DIRECT FROM FACTORY

The letter "F" at the end of our Stock Nos. indicates merchandise that is ship directly from the factory collect by Express or truck only. Freight and Exp charges are based upon the distance from factory to point of destination.

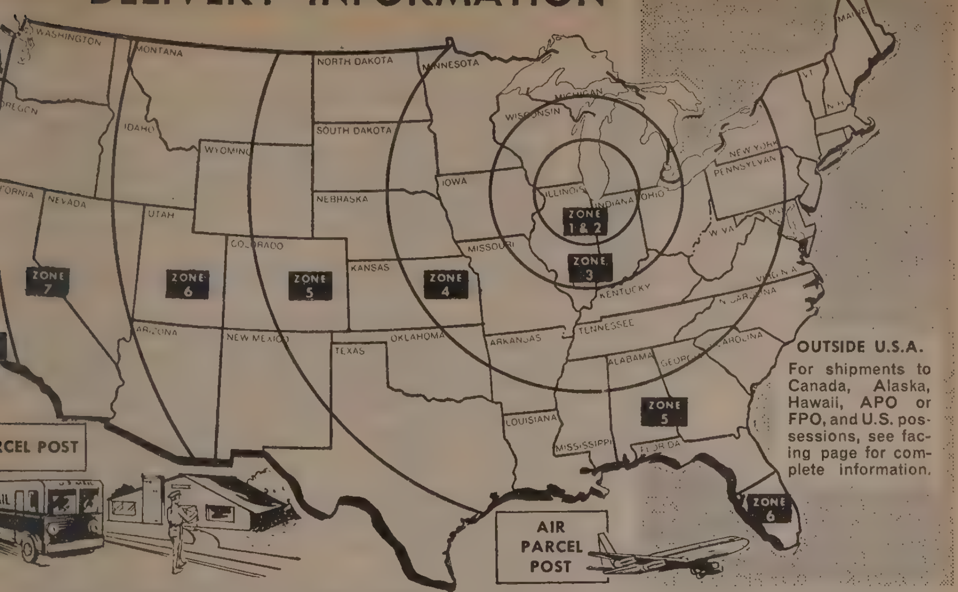
PARCEL POST SHIPMENTS ARE INSURED

To provide you with complete protection, we insure all shipments with a private insurance company. In case of loss or damage in shipment, adjustment is made easily and quickly. Please allow for insurance fees at these ra

Up to $10.00..................
$10.01 to $50.00...............
$50.01 to $100.00..............
$100.01 to $200.00.............

So that we may serve you faster, please include your ZIP-CODE with your address.

DELIVERY INFORMATION


WASHINGTON
MONTANA
NORTH DAKOTA
MINNESOTA
REGON
IDAHO
WYOMING
SOUTH DAKOTA
WISCONSIN
MICHIGAN
MAINE
VT
N.H.
NEW YORK
PENNSYLVANIA
IOWA
ILLINOIS
INDIANA
OHIO
ORNIA
NEVADA
UTAH
NEBRASKA
COLORADO
KANSAS
MISSOURI
W VA
MD
ZONE 1 & 2
ZONE 3
ZONE 7
ZONE 6
ZONE 5
ZONE 4
KENTUCKY
VIRGINIA
N CAROLINA
ARIZONA
NEW MEXICO
OKLAHOMA
TEXAS
ARKANSAS
TENNESSEE
CAROLINA
ALABAMA
GEORGIA
LOUISIANA
MISSISSIPPI
FLORIDA
ZONE 5
ZONE 6
CEL POST
AIR PARCEL POST

OUTSIDE U.S.A.

For shipments to Canada, Alaska, Hawaii, APO or FPO, and U.S. possessions, see facing page for complete information.

HOW TO ESTIMATE PARCEL POST CHARGES

te your zone on the Parcel Post zone map above, and note the bered area in which it falls. Then refer to the Parcel Post rate table v, and read across from the total weight of your shipment to the age listed under your zone. Please remit the amount shown for age, plus insurance fee (see rates on facing page).

to 16 oz., all zones allow 4¢ for first 2 oz., 2¢ for each additional oz.

st office charges a fraction of a pound as a full lb. For example, if the total is 5 lbs. and 1 oz. to Zone 4, postage would be for 6 lbs. (80¢).

GHT nd Not eding	Chicago	1st & 2nd Zone up to 150 mi.	3rd Zone 150 to 300 mi.	4th Zone 300 to 600 mi.	5th Zone 600 to 1000 mi.	6th Zone 1000 to 1400 mi.	7th Zone 1400 to 1800 mi.	8th Zone Over 1800 mi.
2	$0.29	$0.40	$0.42	$0.46	$0.52	$0.59	$0.66	$0.72
3	.31	.46	.49	.55	.64	.73	.83	.93
4	.33	.51	.55	.64	.75	.88	1.01	1.13
5	.35	.57	.62	.72	.87	1.02	1.18	1.34
6	.37	.62	.68	.80	.97	1.15	1.34	1.53
7	.39	.68	.75	.88	1.07	1.28	1.50	1.73
8	.41	.73	.81	.95	1.18	1.41	1.66	1.92
9	.43	.78	.87	1.03	1.28	1.53	1.82	2.12
0	.45	.83	.93	1.10	1.38	1.66	1.98	2.31
1	.47	.88	1.00	1.18	1.48	1.78	2.14	2.48
2	.49	.93	1.06	1.26	1.58	1.90	2.29	2.66
3	.51	.98	1.12	1.33	1.69	2.02	2.44	2.83
4	.53	1.03	1.18	1.41	1.79	2.14	2.60	3.01
5	.55	1.08	1.24	1.48	1.89	2.25	2.75	3.18
6	.57	1.13	1.30	1.56	1.99	2.37	2.90	3.36
7	.59	1.18	1.36	1.64	2.09	2.49	3.06	3.53
8	.61	1.23	1.42	1.71	2.20	2.61	3.21	3.71
9	.63	1.28	1.48	1.79	2.30	2.73	3.36	3.88
0	.65	1.32	1.54	1.86	2.40	2.85	3.51	4.06
Each a Lb.	Add 2¢	Add 4¢	Add 5¢	Add 7¢	Add 9¢	Add 12¢	Add 15¢	Add 18¢

Over 20 pounds shipped truck or express. See facing page.

AIR PARCEL POST SHIPMENTS

We will ship your order via Air Parcel Post upon your request. Rates are given in the table, below. Size and weight limits are 70 lbs. and 100 inches (length plus girth).

7¢ per ounce, up to 8 ounces

ZONES	1,2&3	4	5	6	7	8	U.S. Territories, Possessions and APO & FPO Addresses, 80¢ per lb., plus 8¢
1st Lb.	68¢	73¢	78¢	83¢	83¢	88¢	
For Each Extra Lb.	Add 48¢	Add 50¢	Add 56¢	Add 64¢	Add 72¢	Add 80¢	

UNMAILABLE ITEMS

The letter "U" or "Z" at the end of our Stock Nos. (as in 95 U 035 U, or 91 U 331 Z) identifies items that are fragile or exceed parcel post size or weight limits. We ship them by Express or truck.

ABOUT C.O.D. ORDERS

To save you money, we strongly recommend that you send a remittance with your order, or use your Allied Credit Fund Plan (see page 497). The Post Office charges a collection and a money order fee. Minimum C.O.D. order is $5.00, with at least 20% deposit.

PARCEL POST C.O.D. FEES:

$0.01 to $5.00	40c	$25.01 to $50.00	80c
5.01 to 10.00	50c	50.01 to 100.00	90c
10.01 to 25.00	70c	100.01 to 200.00	1.00

MONEY ORDER FEES:

From $0.01 to $10.00	20c
From 10.01 to 50.00	30c
From 50.01 to 100.00	35c

HAVE YOU MOVED OR CHANGED YOUR NAME SINCE YOUR LAST ORDER TO ALLIED?

Ask your postmaster or RFD carrier for Post Office hange of Address Form 3575. Fill out and return to the ost Office that served your ld address.

Fill in change on coupon at right and mail to Allied so e can bring your records up o date. This assures you of eceiving all of Allied's catlogs and flyers regularly.

MY NEW NAME AND ADDRESS IS:

NAME........................ (First) .... (Last)
ADDRESS........................ (RFD Route) .... (Box)
POST OFFICE (TOWN)........................ STATE........................ ZIP........................

MY OLD NAME AND ADDRESS WAS:

NAME........................ (First) .... (Last)
ADDRESS........................ (RFD Route) .... (Box)
POST OFFICE (TOWN)........................ STATE........................ ZIP........................

IMPORTANT ORDERING INFORMATIO

TERMS

CASH TERMS

When you buy from us for cash (money order or check), please send sufficient funds to cover the full amount of the merchandise ordered, plus postage and insurance fees. (See preceding two pages for full information on how to estimate posttage and determine insurance rates.) No money should be sent to cover Express or truck charges, which are collected on delivery. If your remittance comes to more than the actual cost, every penny will be promptly refunded.

CREDIT TERMS

Increase your buying power with an Allied Credit Fund Account. Only $5.00 down on orders up to $100.00, and only $10.00 down on orders over $100.00. Take over 24 months to pay. Your single, low monthly payment brings you anything that Allied sells. Add-on-orders require only your signature—no down payment is needed. Your application form is on the back of our order blank. See page 497 for complete information.

IF IT IS NECESSARY TO WRITE TO US . . .

We return your order papers with an invoice that summarizes prices and transportation charges. If you write to us about your order, please include all order papers and any correspondence that we have returned to you. If you don't have the order papers, please provide us with the Stock Numbers, and description of the merchandise, as well as the name and address that appeared on the original order.

ALLIED'S GUARANTEE TO YOU

Every item of merchandise that you buy from us must satisfy you in every way, or we want you to return it to us at once, for exchange, repair or refund. You can order any merchandise listed in our Catalogs and Sale Books at any time, with the knowledge that Allied always guarantees your satisfaction or your money back.

ABOUT OUR PRICES

You Pay NET Catalog Prices. Catalog prices are net, f.o.b. Chicago, cept where otherwise indicated. Our NET catalog prices are the prices pay on shipments within the United States, and to Canada and Puerto F For shipments to other countries, see "Export Orders" below.

Your Order Is Shipped at Current Prices. Prices in this catalog rep prices in all previous Allied catalogs, and are subject to change without no Orders will be filled at prices in effect at time of shipment.

You Get Immediate Benefit of Any Price Reductions. If prices are duced during the life of this catalog, we will give you the advantage of new, lower prices and refund the difference. We reserve the right to add federal, state or local taxes now in effect, or which may be levied at any after this catalog is printed.

Export Orders. The minimum export order we can accept is for $25.00 in currency. Prices are net, F.O.B. Chicago. Include 20% over merchandise v for documentation, packing and shipping costs; include 10% on orders $500.00. These charges cannot be exactly estimated in advance. Any amou your remittance in excess of actual shipping charges, will be refunded. Or for surface shipment to an APO address are considered domestic m ings—New York is Zone 5 postal rate; San Francisco is Zone 8; etc. Or for air parcel post to a APO address (all locations), are Zone 8 postal

TO HELP YOU WRITE YOUR ORDER

Please Use Our Order Blank. To speed your order, fill in all information requested. Please show ZIP code on order blank, *and* envelope.

Indicate Method of Shipment. We ship by Parcel Post, Express, and freight. Check rate charts on 2 preceding pages.

Cash Orders. On cash orders, please remit full amount for items ordered, plus postage and insurance. Don't worry about sending too much. Every extra cent will be refunded to you.

Shipping Weights. Weights in alog and rate charts (precedin pages) give shipping costs.

Insurance. To protect you, we sure all Parcel Post shipments wi dependable private insurance c pany. See page 498 for rates.

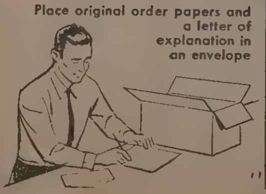
How to Send Money. Please s your remittance by Post Office or press money order, bank draft, check. Please do not send stamp you must send cash, please be s to register your letter.

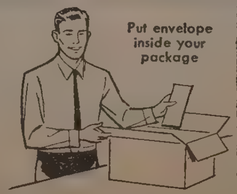
TO RETURN MERCHANDISE FOR ANY REASON . . .

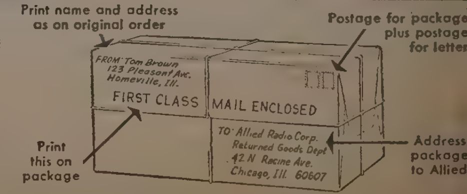
Parcel Post. Place instructions, order papers and correspondence in an envelope inside package. Mark "First Class Mail Enclosed" and add extra 5c postage for letter. Be sure to insure the package.

Express. Place all papers in a stamped and sealed envelope inside the package. Date envelope and draw several lines across the stamp with ink. Your name and address should be on envelope, as well as on package.

Address package to: Allied Radio • Returned Goods Dept. 42 N. Racine Ave. Chicago, Illinois 60607


Place original order papers and a letter of explanation in an envelope


Put envelope inside your package



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Unique elliptical shape of diamond needle tracks path of cutting stylus with utmost accuracy for highest fidelity. Pickering V-15/AME-1 or Empire 888PE—*specify*. Less base. 22 lbs.

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J 949 CDMU. Specify Cartridge................**69.50**

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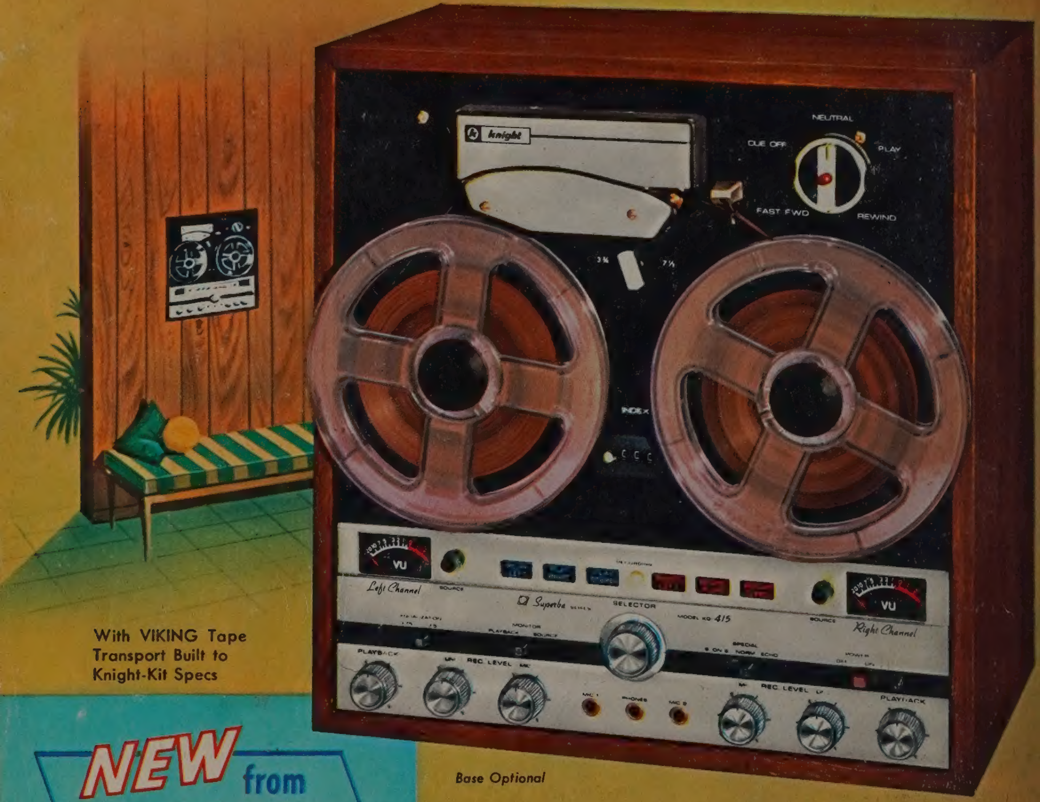

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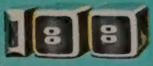

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83 U 788 MUW. *$13 Monthly*............................**249.95**

KG-415 SPECIFICATIONS

Frequency Response: ±2 db, 50-18,000 cps at 7½ ips; ±2 db, 50-14,000 cps at 3¾ ips. **Flutter and Wow:** less than 0.2% rms at 7½ ips. **Signal-to-Noise Ratio:** 50 db or better. **Solid-State Module Circuitry:** 17 transistors and 6 diodes. **Bias Oscillator:** modular 1-kc test oscillator for precise adjustment of head voltages. **Equalization:** 7½ ips speed, NAB; 3¾ ips, EIA. **Monitor Output:** modular amplifier drives low-impedance stereo headphones.